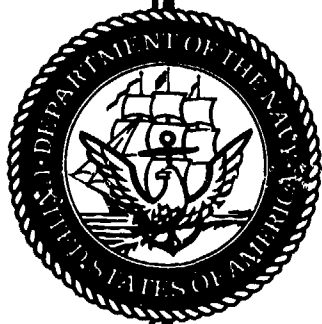


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## FY 1990/FY 1991 BIENNIAL BUDGET ESTIMATES

### MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM

DISTRIBUTION STATEMENT  
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## FY 1991

JUSTIFICATION DATA  
SUBMITTED TO CONGRESS  
JANUARY 1989

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DEPARTMENT OF THE NAVY  
FY 1991 MILITARY CONSTRUCTION AND FAMILY HOUSING PROGRAM

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## STATE LIST

Department of the Navy  
FY 1991 Military Construction and Family Housing Program  
Summary of Locations  
(All Dollars in Thousands)

<u>State/Country</u>	<u>Auth. Request</u>	<u>Appro. Request</u>
<u>Inside the United States</u>		
Alaska	\$ 5,700	\$ 5,700
Arizona	3,000	3,000
California	359,852	359,852
Connecticut	41,270	41,270
District of Columbia	9,800	9,800
Florida	64,140	64,140
Georgia	74,970	74,970
Hawaii	22,000	22,000
Illinois	4,600	4,600
Indiana	8,900	8,900
Kentucky	5,400	5,400
Maine	30,500	30,500
Maryland	24,550	103,598
Mississippi	17,200	17,200
Nevada	3,340	3,340
New Jersey	20,000	20,000
New Mexico	600	600
New York	20,040	20,040
North Carolina	51,980	51,980
Pennsylvania	18,800	18,800
Rhode Island	10,350	10,350
South Carolina	52,040	52,040
Texas	16,500	16,500
Virginia	140,124	140,124
Washington	125,690	125,690
Subtotal	1,131,346	1,210,394
<u>Outside the United States</u>		
Bermuda	\$ 374	\$ 374
Canada	1,350	1,350
Cuba	31,669	31,669
Guam	41,900	41,900
Iceland	32,600	32,600
Italy	14,760	14,760
Japan	6,910	6,910
Philippines	1,900	1,900
Puerto Rico	810	810
Spain	1,740	1,740
United Kingdom	4,100	4,100
Subtotal	138,113	138,113
Various Locations	158,267	158,267
Total - FY 1991 Military Construction and Family Housing Program	1,427,726	1,506,774
Less: Family Housing	-196,474	-196,474
Total - FY 1991 Military Construction Program	1,231,252	1,310,300



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<u>State/ Country</u>	<u>Proj. Number</u>	<u>Installation/Location Project Title</u>	<u>Auth. Request</u>	<u>Approp. Request</u>	<u>% Design As of Jan 90</u>	<u>Page No.</u>
<u>INSIDE THE UNITED STATES</u>						
Alaska		<u>Naval Air Station, Adak</u>				50
	892	Solid Waste Disposal Facility	\$ <u>3,200</u>	\$ <u>3,200</u>	100	555
		Subtotal	<u>3,200</u>	<u>3,200</u>		
		<u>Naval Security Group Activity Adak</u>				51
	075	Operations Building Addition	<u>2,500</u>	<u>2,500</u>	100	52
		Subtotal	<u>2,500</u>	<u>2,500</u>		
		TOTAL FOR ALASKA	5,700	5,700		
Arizona		<u>Marine Corps Air Station, Yuma</u>				54
	441	Aviation Supply Warehouse	<u>3,000</u>	<u>3,000</u>	100	55
		Subtotal	<u>3,000</u>	<u>3,000</u>		
		TOTAL FOR ARIZONA	3,000	3,000		
California		<u>Marine Corps Air Station Camp Pendleton</u>				57
	584	Construction and Weight Handling Equipment Shop	<u>3,900</u>	<u>3,900</u>	100	58
		Subtotal	<u>3,900</u>	<u>3,900</u>		
		<u>Marine Corps Base, Camp Pendleton</u>				60
	229	Electronics Communications Maintenance Shop	<u>5,900</u>	<u>5,900</u>	100	61
	977	Mess Hall	<u>3,600</u>	<u>3,600</u>	100	63
	996	Military Operations in Urbanized Terrain	<u>15,500</u>	<u>15,500</u>	85	65
	890	Family Housing	<u>11,750</u>	<u>11,750</u>	N/A	588
		Subtotal	<u>36,750</u>	<u>36,750</u>		
		<u>Naval Hospital, Camp Pendleton</u>				67
	427	Environmental Health & Industrial Hygiene Facility	<u>1,050</u>	<u>1,050</u>	100	68
		Subtotal	<u>1,050</u>	<u>1,050</u>		

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California (Continued)		<u>Naval Weapons Center, China Lake</u>				70
	431	Advanced Weapons Laboratory	\$ 17,500	\$ 17,500	50	71
		Subtotal	17,500	17,500		
		<u>Naval Weapons Station, Concord</u>				73
	284	Advance Weapons Facility	6,500	6,500	100	74
	292	Railroad and Vehicular Bridges and Land Acquisition	10,000	10,000	35	76
		Subtotal	16,500	16,500		
		<u>Naval Amphibious Base, Coronado</u>				79
	142	Amphibious Operations Facility	3,200	3,200	100	80
	179	Desert Operations Facility	6,000	6,000	100	82
	180	Maritime Training Facility	2,200	2,200	100	84
	150	Waterfront Maintenance and Operations Facility	8,400	8,400	100	86
		Subtotal	19,800	19,800		
		<u>Naval Air Facility, El Centro</u>				88
	205	Aircraft Direct Fueling Station	1,350	1,350	100	89
	202	Ordnance Facility	7,700	7,700	100	91
		Subtotal	9,050	9,050		
		<u>Marine Corps Air Station, El Toro</u>				93
	594	Aircraft Parking Apron	4,900	4,900	100	94
	381	Data Processing Center	3,950	3,950	100	96
	393	Maintenance Hangar Additions	6,600	6,600	100	98
	595	Operational Trainer Facility	8,100	8,100	100	100
		Subtotal	23,550	23,550		
		<u>Naval Air Station, Lemoore</u>				102
	074	Battery Shop	420	420	100	562
	888	Weapons School Addition	900	900	100	562
		Subtotal	1,320	1,320		
		<u>Naval Shipyard, Long Beach</u>				103
	235	Asbestos Removal Shop	500	500	100	562
		Subtotal	500	500		

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California		<u>Naval Station, Long Beach</u>				104
(Contin-	203	Physical Fitness Facilities	\$ 5,800	\$ 5,800	100	105
ued)	201	Wharf Utilities Upgrade	3,500	3,500	100	107
	614	Family Housing	24,900	24,900	N/A	593
		Subtotal	34,200	34,200		
		<u>Naval Air Station, Miramar</u>				109
	346	Topgun Academic Facility	4,600	4,600	100	110
	888	Weapons School Addition	900	900	100	563
		Subtotal	5,500	5,500		
		<u>Naval Postgraduate School</u>				112
		<u>Monterey</u>				
	129	Building Conversion and Seismic Upgrade	3,200	3,200	100	113
	137	Child Care Center	2,100	2,100	100	115
	151	Gymnasium	3,970	3,970	100	117
	161	Lecture Hall Addition and Seismic Upgrade	2,180	2,180	100	119
	146	Public Works Complex	4,600	4,600	100	121
		Subtotal	16,050	16,050		
		<u>Naval Air Station, North Island</u>				123
	573	High Explosive Magazines	1,500	1,500	100	124
		Subtotal	1,500	1,500		
		<u>Pacific Missile Test Center</u>				126
		<u>Point Mugu</u>				
	063	Security Improvements	2,060	2,060	100	127
	0187	Family Housing Office	480	480	N/A	598
		Subtotal	2,540	2,540		
		<u>Naval Ship Weapons System</u>				130
		<u>Engineering Station, Port Hueneme</u>				
	012	Weapon Systems Integration Laboratory	10,100	10,100	100	131
		Subtotal	10,100	10,100		

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California (Contin- ued)		<u>Naval Construction Battalion Center, Port Hueneme</u>				133
	474	Electrical Distribution System Improvement	\$ 2,000	\$ 2,000	50	134
		Subtotal	2,000	2,000		
		<u>Fleet Anti-Submarine Warfare Training Center, Pacific, San Diego</u>				136
	228	Applied Instruction Building Addition	2,100	2,100	100	137
		Subtotal	2,100	2,100		
		<u>Fleet Combat Training Center Pacific, San Diego</u>				139
	034	Applied Instruction Building Addition	620	620	100	563
	033	Bachelor Enlisted Quarters and Mess Hall	14,640	14,640	75	140
		Subtotal	15,260	15,260		
		<u>Naval Hospital, San Diego</u>				142
	606	Parking Structure	1,500	1,500	40	143
		Subtotal	1,500	1,500		
		<u>Naval Ocean Systems Center, San Diego</u>				145
	095	Combined Research Laboratory	11,700	11,700	80	146
		Subtotal	11,700	11,700		
		<u>Naval Station, San Diego</u>				149
	324	Drig	8,430	8,430	100	150
		Subtotal	8,430	8,430		
		<u>Naval Submarine Base, San Diego</u>				152
	048	Bachelor Enlisted Quarters	15,670	15,670	50	153
	092	Oily Waste System	440	440	100	563
		Subtotal	16,110	16,110		

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California (Contin- ued)		<u>Naval Supply Center, San Diego</u>				155
	086	Cold Storage Warehouse	\$ 6,340	\$ 6,340	100	156
		Subtotal	6,340	6,340		
		<u>Naval Training Center, San Diego</u>				158
	191	Barracks	5,600	5,600	100	159
	349	Child Care Center	2,350	2,350	100	161
	347	Small Arms Range	4,000	4,000	100	163
		Subtotal	11,950	11,950		
		<u>Navy Public Works Center, San Diego</u>				165
	116	Electrical Distribution System Upgrade	9,000	9,000	100	166
	072	Public Works Shop	8,900	8,900	100	168
	149	Steam Distribution System Improvements	3,300	3,300	100	170
	815	Family Housing	31,850	31,850	N/A	601
		Subtotal	53,050	53,050		
		<u>Navy Public Works Center, San Francisco</u>				172
	061	Public Works Shop	11,200	11,200	100	173
		Subtotal	11,200	11,200		
		<u>Naval Weapons Station, Seal Beach</u>				175
	171	Weapons Testing and Evaluation Facility	8,830	8,830	100	176
		Subtotal	8,830	8,830		
		<u>Naval Security Group Activity, Skaqqs Island</u>				179
	073	Potable Water System	1,472	1,472	100	180
		Subtotal	1,472	1,472		

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California (Contin- ued)		<u>Marine Corps Air-Ground Combat Center, Twentynine Palms</u>				182
	428	Field Maintenance Shop	\$ 3,600	\$ 3,600	100	183
	470	Industrial Wastewater Treatment Facilities	2,200	2,200	100	555
	447	Potable Water Storage Tank	<u>4,300</u>	<u>4,300</u>	100	185
		Subtotal	<u>10,100</u>	<u>10,100</u>		
		TOTAL FOR CALIFORNIA	359,852	359,852		
Connecticut		<u>Naval Submarine Base, New London</u>				187
	130	Bachelor Officer Quarters Modernization	4,700	4,700	100	188
	413	Quaywall Replacement	9,100	9,100	100	190
	391	Steam Turbine Generator	4,700	4,700	100	193
	424	Thames River Dredging	<u>7,770</u>	<u>7,770</u>	35	195
		Subtotal	<u>26,270</u>	<u>26,270</u>		
		<u>Naval Submarine School, New London</u>				198
	398	Operational Trainer Facility	<u>15,000</u>	<u>15,000</u>	45	199
		Subtotal	<u>15,000</u>	<u>15,000</u>		
		TOTAL FOR CONNECTICUT	41,270	41,270		
District of Columbia		<u>Naval Research Laboratory, Washington</u>				201
	115	Electro-Optics Research Laboratory	9,800	9,800	100	202
		Subtotal	<u>9,800</u>	<u>9,800</u>		
		TOTAL FOR DISTRICT OF COLUMBIA	9,800	9,800	100	
Florida		<u>Naval Air Station, Cecil Field</u>				204
	212	Centrifuge Trainer	2,010	2,010	N/A	205
	831	Sanitary Wastewater System Upgrade	<u>2,000</u>	<u>2,000</u>	50	556
		Subtotal	<u>4,010</u>	<u>4,010</u>		

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Florida (Contin- ued)		<u>Naval Air Station, Jacksonville</u>				207
	174	Anti-Submarine Warfare Training Facility	\$ 2,800	\$ 2,800	100	208
	188	Wastewater System Improvements	6,300	6,300	35	211
		Subtotal	9,100	9,100		
		<u>Naval Hospital, Jacksonville</u>				213
	510	Medical Warehouse Addition	940	940	35	564
		Subtotal	940	940		
		<u>Naval Air Station, Key West</u>				214
	620	Explosive Ordnance Disposal Mobile Unit Facility	3,000	3,000	100	215
	636	Joint Air Reconnaissance Control Center Addition	4,000	4,000	45	217
		Subtotal	7,000	7,000		
		<u>Fleet Training Center, Mayport</u>				219
	168	Fire Fighting Training Facility	5,300	5,300	100	220
		Subtotal	5,300	5,300		
		<u>Naval Station, Mayport</u>				222
	830	Water Storage Tanks	3,600	3,600	100	223
		Subtotal	3,600	3,600		
		<u>Naval Training Center, Orlando</u>				225
	200	Barracks	10,910	10,910	100	226
	202	Cold Storage Warehouse	1,400	1,400	N/A	228
	240	Mess Hall	7,040	7,040	100	230
		Subtotal	19,350	19,350		
		<u>Naval Coastal Systems Center, Panama City</u>				232
	301	Computation and Analysis Laboratory Addition	5,300	5,300	100	233
		Subtotal	5,300	5,300		

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Florida (Contin- ued)		<u>Naval Supply Center, Pensacola</u>				236
	271	Cold Storage Warehouse	\$ <u>6,100</u>	\$ <u>6,100</u>	100	237
		Subtotal	<u>6,100</u>	<u>6,100</u>		
		<u>Navy Public Works Center, Pensacola</u>				239
	111	Water and Sewer Pipelines Separation	<u>3,440</u>	<u>3,440</u>	50	556
		Subtotal	<u>3,440</u>	<u>3,440</u>		
		TOTAL FOR FLORIDA	64,140	64,140		
Georgia		<u>Marine Corps Logistics Base, Albany</u>				240
	310	Calibration Equipment Test Facility	3,250	3,250	100	241
	605	Industrial Waste Treatment Plant Improvements	<u>2,600</u>	<u>2,600</u>	100	243
		Subtotal	5,850	5,850		
		<u>Naval Submarine Base, Kings Bay</u>				245
	418	Bachelor Enlisted Quarters	7,200	7,200	50	246
	364	Explosives Handling Wharf	56,400	56,400	45	248
	420	Small Ordnance Magazine	620	620	100	564
	414	Trident Training Facility Addition	<u>4,900</u>	<u>4,900</u>	50	250
		Subtotal	69,120	69,120		
		TOTAL FOR GEORGIA	74,790	74,790		
Hawaii		<u>Naval Magazine, Lualualei</u>				252
	117	Electrical Distribution Lines Relocation	1,400	1,400	100	253
		Subtotal	<u>1,400</u>	<u>1,400</u>		
		<u>Commander Oceanographic System Pacific, Pearl Harbor</u>				255
	417	Surtass Support Center	<u>10,200</u>	<u>10,200</u>	100	256
		Subtotal	10,200	10,200		
		<u>Naval Submarine Base, Pearl Harbor</u>				258
	114	Electrical Distribution System Improvements	2,000	2,000	100	259
		Subtotal	<u>2,000</u>	<u>2,000</u>		



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Hawaii (Contin- ued)		<u>Naval Supply Center, Pearl Harbor</u>				261
	133	Road	\$ <u>1,500</u>	\$ <u>1,500</u>	100	262
		Subtotal	<u>1,500</u>	<u>1,500</u>		
		<u>Navy Public Works Center, Pearl Harbor</u>				264
	504	Automotive Vehicle Maintenance Shop	<u>6,900</u>	<u>6,900</u>	100	265
		Subtotal	<u>6,900</u>	<u>6,900</u>		
		TOTAL FOR HAWAII	22,000	22,000		
Illinois		<u>Naval Training Center, Great Lakes</u>				267
	471	Fireman Apprentice Training School	<u>2,800</u>	<u>2,800</u>	100	268
		Subtotal	<u>2,800</u>	<u>2,800</u>		
		<u>Navy Public Works Center, Great Lakes</u>				270
	538	Electrical Distribution System Improvements	1,100	1,100	100	271
	378	Storm Sewer System Improvements	<u>700</u>	<u>700</u>	100	564
		Subtotal	<u>1,800</u>	<u>1,800</u>		
		TOTAL FOR ILLINOIS	4,600	4,600		
Indiana		<u>Naval Weapons Support Center Crane</u>				273
	224	Electronics Communications Maintenance Shop	4,000	4,000	40	274
	244	Mechanized Materials Management Facility	4,900	4,900	35	277
		Subtotal	<u>8,900</u>	<u>8,900</u>		
		TOTAL FOR INDIANA	8,900	8,900		
Kentucky		<u>Naval Ordnance Station, Louisville</u>				280
	215	Phalanx Shop Modernization	<u>5,400</u>	<u>5,400</u>	50	281
		Subtotal	<u>5,400</u>	<u>5,400</u>		
		TOTAL FOR KENTUCKY	5,400	5,400		

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Maine		<u>Portsmouth Naval Shipyard, Kittery</u>				283
	228	Dry Dock Modernization and Cover (Increment I)	\$ 30,500	\$ 30,500	40	284
		Subtotal	<u>30,500</u>	<u>30,500</u>		
		TOTAL FOR MAINE	30,500	30,500		
Maryland		<u>Naval Academy, Annapolis</u>				287
	259	Bancroft Hall Expansion (Phase II)	0	24,000	100	288
		Subtotal	<u>0</u>	<u>24,000</u>		
		<u>Naval Hospital, Bethesda</u>				290
	912	Bachelor Enlisted Quarters	<u>9,000</u>	<u>9,000</u>	100	291
		Subtotal	<u>9,000</u>	<u>9,000</u>		
		<u>Naval Ordnance Station, Indian Head</u>				293
	963	Industrial Wastewater Treatment Facilities	<u>6,400</u>	<u>6,400</u>	100	557
		Subtotal	<u>6,400</u>	<u>6,400</u>		
		<u>Naval Air Test Center, Patuxent River</u>				294
	420	Security Improvements	<u>3,000</u>	<u>3,000</u>	100	295
		Subtotal	<u>3,000</u>	<u>3,000</u>		
		<u>Naval Hospital, Patuxent River</u>				298
	903	Aviation Physiology Training Facility	<u>2,250</u>	<u>2,250</u>	100	299
		Subtotal	<u>2,250</u>	<u>2,250</u>		
		<u>Naval Electronic Systems Engineering Activity, St. Inigoes</u>				301
	723	FACSFAC Electronic Systems Integration	<u>3,900</u>	<u>3,900</u>	100	302
		Subtotal	<u>3,900</u>	<u>3,900</u>		

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Maryland (Contin- ued)		<u>Naval Intelligence Command Headquarters, Suitland</u>				304
	001A	Headquarters Building (Increment II)	\$ 0	\$ 55,048	90	305
		Subtotal	0	55,048		
		TOTAL FOR MARYLAND	24,550	103,598		
Mississippi		<u>Naval Oceanography Command Facility, Bay St. Louis</u>				307
	001	Oceanographic Building	1,700	1,700	100	308
		Subtotal	1,700	1,700		
		<u>Naval Construction Battalion Center, Gulfport</u>				310
	745	Controlled Humidity Warehouse	6,900	6,900	100	311
		Subtotal	6,900	6,900		
		<u>Naval Construction Training Center Gulfport</u>				313
	716	Applied Instruction Building	1,500	1,500	100	314
	723	Barracks	7,100	7,100	100	316
		Subtotal	8,600	8,600		
		TOTAL FOR MISSISSIPPI	17,200	17,200		
Nevada		<u>Naval Air Station, Fallon</u>				318
	282	Range Air Surveillance System	3,340	3,340	100	319
		Subtotal	3,340	3,340		
		TOTAL FOR NEVADA	3,340	3,340		
New Jersey		<u>Naval Weapons Station, Earle</u>				321
	949	Trestles Replacement (Increment I)	20,000	20,000	50	322
		Subtotal	20,000	20,000		
		TOTAL FOR NEW JERSEY	20,000	20,000		

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New Mexico		<u>Naval Ordnance Missile Test Station, White Sands</u>				324
	005	Gun Test Range	\$ 600	\$ 600	100	565
		Subtotal	600	600		
		TOTAL FOR NEW MEXICO	600	600		
New York		<u>Director First Marine Corps District, Garden City</u>				325
	002	Physical Security Improvements	440	440	100	566
		Subtotal	440	440		
		<u>Naval Station, New York</u>				
	801	Family Housing	19,600	19,600	N/A	606
		Subtotal	19,600	19,600		
		TOTAL FOR NEW YORK	20,040	20,040		
North Carolina		<u>Marine Corps Base, Camp Lejeune</u>				326
	630	Bachelor Enlisted Quarters	13,580	13,580	75	327
	679	Electronics Communications Maintenance Shops	4,100	4,100	100	329
	304	Field Maintenance Complex	20,900	20,900	75	331
	810	Mechanics Training Building (Increment III)	3,000	3,000	100	332
		Subtotal	41,580	41,580		
		<u>Marine Corps Air Station, Cherry Point</u>				335
	031	Aircraft Bombing Range	1,050	1,050	100	336
	883	Regimental Group Headquarters	1,750	1,750	100	339
	017	Water Treatment Facility	7,600	7,600	100	341
		Subtotal	10,400	10,400		
		TOTAL FOR NORTH CAROLINA	51,980	51,980		
Pennsyl- vania		<u>Naval Station, Philadelphia</u>				343
	521	Brig	5,100	5,100	100	344
		Subtotal	5,100	5,100		

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Pennsyl- vania (Contin- ued)		<u>Naval Air Development Center, Warminster</u>				347
	163	Aircraft Technologies Laboratory	\$ 13,700	\$ 13,700	45	348
		Subtotal	13,700	13,700		
		TOTAL FOR PENNSYLVANIA	18,800	18,800		
Rhode Island		<u>Naval Education and Training Center, Newport</u>				351
	146	Steam Distribution System Upgrade	6,350	6,350	100	352
		Subtotal	6,350	6,350		
		<u>Naval Underwater Systems Center Newport</u>				354
	034	Guided Missile Laboratory	4,000	4,000	100	355
		Subtotal	4,000	4,000		
		TOTAL FOR RHODE ISLAND	10,350	10,350		
South Carolina		<u>Marine Corps Air Station Beaufort</u>				358
	366	Bachelor Enlisted Quarters	6,500	6,500	40	359
		Subtotal	6,500	6,500		
		<u>Naval Hospital, Charleston</u>				361
	229	Emergency Water Storage Tank	550	550	100	566
		Subtotal	550	550		
		<u>Naval Shipyard, Charleston</u>				362
	800	Water Treatment Facility	500	500	100	567
		Subtotal	500	500		
		<u>Naval Station, Charleston</u>				363
	699	Boat Shop	1,090	1,090	100	364
	747	Pay and Personnel Support Office	500	500	100	566
		Addition				
		Subtotal	1,590	1,590		

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South Carolina (Continued)		<u>Naval Supply Center, Charleston</u>				366
	058	Fleet Supply Support Store	\$ 3,200	\$ 3,200	100	367
		Subtotal	3,200	3,200		
		<u>Naval Weapons Station, Charleston</u>				369
	784	Missile Magazine	1,900	1,900	100	370
	869	Propulsion Training Facility	25,000	25,000	50	372
	823	SEALANCE Missile Maintenance Facility	9,400	9,400	100	374
		Subtotal	36,300	36,300		
		<u>Marine Corps Recruit Depot, Parris Island</u>				376
	118	Clothing Issue Building	3,400	3,400	100	377
		Subtotal	3,400	3,400		
		TOTAL FOR SOUTH CAROLINA	52,040	52,040		
Texas		<u>Naval Air Station, Corpus Christi</u>				379
	270	Airfield Lighting	4,700	4,700	100	380
		Subtotal	4,700	4,700		
		<u>Naval Technical Training Center Detachment, Lackland AFB</u>				382
	002	Bachelor Enlisted Quarters	11,800	11,800	100	383
		Subtotal	11,800	11,800		
		TOTAL FOR TEXAS	16,500	16,500		
Virginia		<u>Headquarters Marine Corps, Arlington</u>				385
	006	General Purpose Warehouse	2,800	2,800	90	386
		Subtotal	2,800	2,800		
		<u>Marine Corps Detachment, Camp Elmore</u>				388
	801	Operations Center	2,850	2,850	100	389
		Subtotal	2,850	2,850		

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Virginia (Contin- ued)		<u>Naval Space Surveillance System</u>				391
		<u>Dahlgren</u>				
	249	Space Surveillance Center	\$ 9,800	\$ 9,800	100	392
		Subtotal	9,800	9,800		
		<u>Fleet Combat Direction Systems</u>				395
		<u>Support Activity, Dam Neck</u>				
	983	Computer Programming Operations Center Addition	6,330	6,330	100	396
		Subtotal	6,330	6,330		
		<u>Marine Environmental Systems</u>				399
		<u>Facility, Dam Neck</u>				
	335	Operations and Maintenance Facilities	8,000	8,000	100	400
		Subtotal	8,000	8,000		
		<u>Naval Amphibious Base, Little Creek</u>				403
	337	Landing Craft Air Cushion Complex (Increment II)	12,400	12,400	75	404
	204	Surface Warfare Development Group Operations Facility	2,200	2,200	100	407
	418	SURTASS Support Center Addition	7,250	7,250	85	410
	0288	Family Housing Office	370	370	N/A	611
		Subtotal	22,220	22,220		
		<u>Naval Amphibious School, Little Creek</u>				413
	366	Landing Craft Air Cushion Training Facility	1,440	1,440	100	414
	360	Training Materials Storage	800	800	100	567
		Subtotal	2,240	2,240		
		<u>Fleet Training Center, Norfolk</u>				416
	179	Electrical Trades Training Building Addition	6,000	6,000	100	417
	180	Fire Fighting Training Facility	12,000	12,000	100	419
		Subtotal	18,000	18,000		

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Virginia (Continued)		<u>Naval Communications Area Master Station Atlantic, Norfolk</u>				421
	141	Communication Center Addition	\$ 5,370	\$ 5,370	100	422
		Subtotal	5,370	5,370		
		<u>Naval Station, Norfolk</u>				424
	834	Electric Power Upgrade	9,000	9,000	100	425
		Subtotal	9,000	9,000		
		<u>Naval Supply Center, Norfolk</u>				427
	444	General Warehouse	6,400	6,400	100	428
		Subtotal	6,400	6,400		
		<u>Navy Public Works Center, Norfolk</u>				430
	236	Fuel Line	3,130	3,130	100	431
	5079	Family Housing Community Center	415	415	N/A	614
	2084	Family Housing Community Center	415	415	N/A	615
		Subtotal	3,960	3,960		
		<u>Naval Air Station, Oceana</u>				433
	178	Weapons System Trainer	3,150	3,150	100	434
		Building Addition				
		Subtotal	3,150	3,150		
		<u>Shore Intermediate Maintenance Activity, Portsmouth</u>				437
	320	Shore Intermediate Maintenance	12,094	12,094	75	438
		Facility				
		Subtotal	12,094	12,094		
		<u>Marine Corps Combat Development Command, Quantico</u>				441
	402	Combat Development Center	16,000	16,000	60	442
	408	Military Operations in Urbanized	3,850	3,850	100	444
		Terrain				
		Subtotal	19,850	19,850		



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Virginia (Continued)		<u>Naval Research Laboratory Annex, Quantico</u>				446
	148	Midway Research Center Upgrade	\$ 2,600	\$ 2,600	100	447
		Subtotal	2,600	2,600		
		<u>Naval Surface Warfare Center, Wallops Island</u>				449
	327	AEGIS Command and Life Support Facility	5,460	5,460	50	450
		Subtotal	5,460	5,460		
		TOTAL FOR VIRGINIA	140,124	140,124		
Washington		<u>Trident Refit Facility, Bangor</u>				452
	057	Crane Trackage Extension	910	910	100	568
	050	Hazardous and Flammable Storehouse	2,100	2,100	100	453
		Subtotal	3,010	3,010		
		<u>Trident Training Facility, Bangor</u>				455
	993	Fire Fighting Training Facility	3,600	3,600	100	456
		Subtotal	3,600	3,600		
		<u>Puget Sound Naval Shipyard Bremerton</u>				458
	252	Dry Dock Utilities Upgrade	1,700	1,700	100	459
		Subtotal	1,700	1,700		
		<u>Naval Station, Everett</u>				461
	089	Carrier Pier Support	11,960	11,960	100	462
	145	Communications Facility	1,650	1,650	100	464
	117	Security and Fire Station	1,750	1,750	100	466
	082	Utilities and Site Improvements	6,790	6,790	100	468
		Subtotal	22,150	22,150		
		<u>Naval Undersea Warfare Engineering Station, Keyport</u>				470
	295	Automated Materials Handling Facility	7,300	7,300	100	471
	309	Fire Station	1,100	1,100	100	473
	337	Submarine Weapons Systems Shop	10,100	10,100	100	475
		Subtotal	18,500	18,500		

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Washington		<u>Naval Hospital, Oak Harbor</u>				477
(Continued)	007	Aviation Physiology Training Facility	\$ 2,170	\$ 2,170	100	478
		Subtotal	2,170	2,170		
		<u>Strategic Weapons Facility Pacific, Silverdale</u>				480
	806	Engineering Services Building	3,500	3,500	100	481
	943	Magazine Modifications	1,600	1,600	70	483
	937	Missile Assembly Building	7,300	7,300	100	485
	809	Motor Inspection Building	8,000	8,000	80	487
	807	Radiographic Inspection Building	13,800	13,800	70	489
	935	Training Facility Addition	7,400	7,400	80	491
	957	Transfer Facility Addition	3,500	3,500	100	493
	808	Utilities and Site Improvements	8,600	8,600	80	495
		Subtotal	53,700	53,700		
		<u>Naval Air Station, Whidbey Island</u>				497
	074	Operational Trainer Facility Addition	1,410	1,410	100	498
	889	Operational and Maintenance Trainer Facility (Increment I)	17,900	17,900	60	500
		Subtotal	19,310	19,310		
		<u>Naval Facility, Whidbey Island</u>				502
	030	Electric Power Improvements	1,550	1,550	100	503
		Subtotal	1,550	1,550		
		TOTAL FOR WASHINGTON	125,690	125,690		
		Subtotal - Military Construction	1,041,566	1,120,614		
		Subtotal - Military Construction for Family Housing	69,780	89,780		
		TOTAL - INSIDE THE UNITED STATES	1,131,346	1,210,394		

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<u>OUTSIDE THE UNITED STATES</u>						
Bermuda		<u>Naval Air Station</u>				617
	1088	Family Housing Office	\$ 374	\$ 374	N/A	618
		Subtotal	374	374		
		TOTAL FOR BERMUDA	374	374		
Canada		<u>Naval Facility Argentia Newfoundland</u>				505
	123	Terminal Equipment Building Addition	1,350	1,350	100	506
		Subtotal	1,350	1,350		
		TOTAL FOR CANADA	1,350	1,350		
Cuba		<u>Naval Station, Guantanamo Bay</u>				620
	803	Family Housing	31,669	31,669	N/A	621
		Subtotal	31,669	31,669		
		TOTAL FOR CUBA	31,669	31,669		
Guam		<u>Fleet Surveillance Support Command</u>				508
	002	Electronic Installation	30,000	30,000	50	509
		Subtotal	30,000	30,000		
		<u>Naval Magazine</u>				511
	809	Tomahawk Support Complex	9,000	9,000	100	512
		Subtotal	9,000	9,000		
		<u>Naval Supply Depot</u>				514
	114	Security Improvements	2,900	2,900	100	515
		Subtotal	2,900	2,900		
		TOTAL FOR GUAM	41,900	41,900		

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Iceland		<u>Naval Air Station, Keflavik</u>				517
	463	Fuel Facilities	\$ 1,030	\$ 1,030	100	518
	812	Family Housing	27,200	27,200	N/A	626
		Subtotal	28,230	28,230		
		<u>Naval Communication Station Keflavik</u>				521
	802	Communication Center	4,370	4,370	100	522
		Subtotal	4,370	4,370		
		TOTAL FOR ICELAND	32,600	32,600		
Italy		<u>Naval Communication Station Sicily</u>				524
	305	Receiver Facility	1,750	1,750	100	525
		Subtotal	1,750	1,750		
		<u>Naval Air Station, Sigonella</u>				527
	218	Corrosion Control Hangar	5,400	5,400	100	528
	220	Engine Maintenance Shop Addition	1,960	1,960	100	530
	144	Operations Control Center	5,650	5,650	75	532
		Subtotal	13,010	13,010		
		TOTAL FOR ITALY	14,760	14,760		
Japan		<u>Naval Security Group Activity Hanza, Okinawa</u>				535
	001	Fire Protection System	1,000	1,000	100	569
		Subtotal	1,000	1,000		
		<u>Marine Corps Air Station, Iwakuni</u>				536
	809	Hangar Conversion	3,090	3,090	100	537
	840	Weapons Assembly Area	2,820	2,820	100	539
		Subtotal	5,910	5,910		
		TOTAL FOR JAPAN	6,910	6,910		

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Republic of the Philip- pines		<u>Naval Magazine, Subic Bay</u>				541
	405	Ammunition Segregation Facility	\$ <u>1,900</u>	\$ <u>1,900</u>	100	542
		Subtotal	1,900	1,900		
		TOTAL FOR REPUBLIC OF THE PHILIPPINES	1,900	1,900		
Puerto Rico		<u>Naval Security Group Activity Sabana Seca</u>				544
	069	Operations Building Addition	<u>810</u>	<u>810</u>	80	569
		Subtotal	810	810		
		TOTAL FOR PUERTO RICO	810	810		
Spain		<u>Naval Communication Station, Rota</u>				545
	556	Operations Building Addition	<u>1,740</u>	<u>1,740</u>	100	546
		Subtotal	1,740	1,740		
		TOTAL FOR SPAIN	1,740	1,740		
United Kingdom		<u>Fleet Surveillance Support Command, Brawdy Wales</u>				548
	301	Electronic Installation	<u>3,600</u>	<u>3,600</u>	75	549
		Subtotal	3,600	3,600		
		<u>Personnel Support Activity, London</u>				551
	610	Pay and Personnel Support Office	<u>500</u>	<u>500</u>	100	570
		Subtotal	500	500		
		TOTAL FOR UNITED KINGDOM	4,100	4,100		
		Subtotal - Military Construction	78,870	78,870		
		Subtotal - Military Construction for Family Housing	59,243	59,243		
		TOTAL - OUTSIDE THE UNITED STATES	138,113	138,113		

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Various		<u>Various Locations</u>				
	090	Host Nation Infrastructure	\$ 1,000	\$ 1,000	N/A	571
	090	Land Acquisition	7,800	7,800	N/A	552
	VAR	Architectural and Engineering Services and Construction Design (MILCON)	82,499	82,499	N/A	559
		(Family Housing)	1,500	1,500	N/A	660
	VAR	Post Acquisitions Construction (Family Housing Improvements)	45,951	45,951	N/A	631
	091	Unspecified Minor Construction	15,500	15,500	N/A	558
	191	Access Roads	4,017	4,017	N/A	560
		Subtotal	158,267	158,267		
		Subtotal - Military Construction	110,816	110,816		
		Subtotal - Military Construction for Family Housing	47,451	47,451		
.....						
		Total - FY 1991 Military Construction Program	1,231,252	1,310,300		
		Total - FY 1991 Military Construction Family Housing Program	196,474	196,474		
		GRAND TOTAL	1,472,726	1,506,774		

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<u>INSIDE THE UNITED STATES</u>				
NAS Adak, AK	892	Solid Waste Disposal Facility	\$ 3,200	C
NSGA Adak, AK	075	Operations Building Addition	2,500	C
MCAS Yuma, AZ	441	Aviation Supply Warehouse	3,000	N
MCAS Camp Pendleton, CA	584	Construction and Weight Handling Equipment Shop	3,900	N
MCB Camp Pendleton, CA	229	Electronics Communications Maintenance Shop	5,900	C
	977	Mess Hall	3,600	C
	996	Military Operations in Urbanized Terrain	15,500	C
	890	Family Housing	11,750	C
NH Camp Pendleton CA	427	Environmental Health & Industrial Hygiene Facility	1,050	C
NWC China Lake, CA	431	Advanced Weapons Laboratory	17,500	N
NWS Concord, CA	284	Advance Weapons Facility	6,500	N
	292	Railroad and Vehicular Bridges and Land Acquisition	10,000	C
NAB Coronado, CA	142	Amphibious Operations Facility	3,200	C
	179	Desert Operations Facility	6,000	N
	180	Maritime Training Facility	2,200	N
	150	Waterfront Maintenance and Operations Facility	8,400	C
NAF El Centro, CA	205	Aircraft Direct Fueling Station	1,350	C
	202	Ordnance Facility	7,700	C
MCAS, El Toro, CA	594	Aircraft Parking Apron	4,900	N
	381	Data Processing Center	3,950	C
	393	Maintenance Hangar Additions	6,600	N
	595	Operational Trainer Facility	8,100	N
NAS Lemoore, CA	074	Battery Shop	420	C
	888	Weapons School Addition	900	N
NSY Long Beach, CA	235	Asbestos Removal Shop	500	C
NS Long Beach, CA	203	Physical Fitness Facilities	5,800	N
	201	Wharf Utilities Upgrade	3,500	N
	614	Family Housing	24,900	C
NAS Miramar, CA	346	Topgun Academic Facility	4,600	C
	888	Weapons School Addition	900	N



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NPGS Monterey, CA	129	Building Conversion and Seismic Upgrade	\$ 3,200	C
	137	Child Care Center	2,100	C
	151	Gymnasium	3,970	C
	161	Lecture Hall Addition and Seismic Upgrade	2,180	C
	146	Public Works Complex	4,600	C
NAS North Island, CA	573	High Explosive Magazines	1,500	C
PMTC Point Mugu, CA	063	Security Improvements	2,060	C
	0187	Family Housing Office	480	C
NSWSES Port Hueneme CA	012	Weapon Systems Integration Laboratory	10,100	C
NCBC Port Hueneme, CA	474	Electrical Distribution System Improvement	2,000	C
FASWTCPCAC San Diego, CA	228	Applied Instruction Building Addition	2,100	C
FCTCPCAC San Diego, CA	034	Applied Instruction Building Addition	620	C
	033	Bachelor Enlisted Quarters and Mess Hall	14,640	C
NH San Diego, CA	606	Parking Structure	1,500	C
NOSC San Diego, CA	095	Combined Research Laboratory	11,700	C
NS San Diego, CA	224	Brig	8,430	C
NSB San Diego, CA	048	Bachelor Enlisted Quarters	15,670	C
	092	Oily Waste System	440	C
NSC San Diego, CA	086	Cold Storage Warehouse	6,340	C
NTC San Diego, CA	191	Barracks	5,600	C
	349	Child Care Center	2,350	C
	347	Small Arms Range	4,000	C
NPWC San Diego, CA	116	Electrical Distribution System Upgrade	9,000	C
	072	Public Works Shop	8,900	C
	149	Steam Distribution System Improvements	3,300	C
	815	Family Housing	31,850	C
NPWC San Francisco, CA	061	Public Works Shop	11,200	C
NWS Seal Beach, CA	171	Weapons Testing and Evaluation Facility	8,830	C
NSGA Skaggs Island, CA	073	Potable Water System	1,472	C

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(Dollars in Thousands)

<u>Installation/ Location</u>	<u>Proj. No.</u>	<u>Project Title</u>	<u>Cost (\$000)</u>	<u>New or Current</u>
MCAGCC Twentynine Palms, CA	428	Field Maintenance Shop	\$ 3,600	C
	470	Industrial Wastewater Treatment Facilities	2,200	C
	447	Potable Water Storage Tank	4,300	C
NSB New London, CT	130	Bachelor Officer Quarters Modernization	4,700	C
	413	Quaywall Replacement	9,100	C
	391	Steam Turbine Generator	4,700	C
	424	Thames River Dredging	7,770	N
NSS New London, CT	398	Operational Trainer Facility	15,000	N
NRL Washington, DC	115	Electro-Optics Research Laboratory	9,800	C
NAS Cecil Field, FL	212	Centrifuge Trainer	2,010	N
	831	Sanitary Wastewater System Upgrade	2,000	C
NAS Jacksonville, FL	174	Anti-Submarine Warfare Training Facility	2,800	C
	188	Wastewater System Improvements	6,300	C
NH Jacksonville, FL	510	Medical Warehouse Addition	940	N
NAS Key West, FL	620	Explosive Ordnance Disposal Mobile Unit Facility	3,000	N
	636	Joint Air Reconnaissance Control Center Addition	4,000	C
FTC Mayport, FL	168	Fire Fighting Training Facility	5,300	C
NS Mayport, FL	830	Water Storage Tanks	3,600	C
NTC Orlando, FL	200	Barracks	10,910	C
	202	Cold Storage Warehouse	1,400	C
	240	Mess Hall	7,040	C
NCSC Panama City, FL	301	Computation and Analysis Laboratory Addition	5,300	C
NSC Pensacola, FL	271	Cold Storage Warehouse	6,100	N
NPWC Pensacola, FL	111	Water and Sewer Pipelines Separation	3,440	C
MCLB Albany, GA	310	Calibration Equipment Test Facility	3,250	C
	605	Industrial Waste Treatment Plant Improvements	2,600	C
NSB Kings Bay, GA	418	Bachelor Enlisted Quarters	7,200	N
	364	Explosives Handling Wharf	56,400	N
	420	Small Ordnance Magazine	620	N
	414	Trident Training Facility Addition	4,900	N
NM Lualualei, HI	117	Electrical Distribution Lines Relocation	1,400	C
COMOCEANSYSPAC Pearl Harbor, HI	417	Surtass Support Center	10,200	N
NSB Pearl Harbor, HI	114	Electrical Distribution System Improvements	2,000	C

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<u>Installation/ Location</u>	<u>Proj. No.</u>	<u>Project Title</u>	<u>Cost (\$000)</u>	<u>New or Current</u>
NSC Pearl Harbor, HI	133	Road	\$ 1,500	C
NPWC Pearl Harbor, HI	504	Automotive Vehicle Maintenance Shop	6,900	C
NTC Great Lakes, IL	471	Fireman Apprentice Training School	2,800	C
NPWC Great Lakes, IL	538	Electrical Distribution System Improvements	1,100	C
	378	Storm Sewer System Improvements	700	C
NWSC Crane, IN	224	Electronics Communications Maintenance Shop	4,000	C
	244	Mechanized Materials Management Facility	4,900	C
NOS Louisville, KY	215	Phalanx Shop Modernization	5,400	C
Portsmouth NSY, Kittery, ME	228	Dry Dock Modernization and Cover (Increment I)	30,500	N
NAVACAD Annapolis, MD	259	Bancroft Hall Expansion (Phase II)	24,000	C
NH Bethesda, MD	912	Bachelor Enlisted Quarters	9,000	C
NOS Indian Head, MD	963	Industrial Wastewater Treatment Facilities	6,400	C
NATC Patuxent River, MD	420	Security Improvements	3,000	C
NH Patuxent River, MD	903	Aviation Physiology Training Facility	2,250	C
NESEA St. Inigoes, MD	723	FACSFAC Electronic Systems Integration	3,900	C
NAVINTELCOMHDQTRS Suitland, MD	001A	Headquarters Building (Increment II)	55,048	C
NAVOCEANOCMPAC Bay St. Louis, MS	001	Oceanographic Building	1,700	C
NCDC Gulfport, MS	745	Controlled Humidity Warehouse	6,900	C
NCTC Gulfport, MS	716	Applied Instruction Building	1,500	C
	723	Barracks	7,100	C
NAS Fallon NV	282	Range Air Surveillance System	3,340	C
NWS Earle, NJ	949	Trestles Replacement (Increment I)	20,000	C
NAVORDMISTESTSTA White Sands, NM	005	Gun Test Range	600	C
DIRFIRSTMARCORPSDIST Garden City, NY	002	Physical Security Improvements	440	C
NS New York, NY	801	Family Housing	19,600	N
MCB Camp Lejeune, NC	630	Bachelor Enlisted Quarters	13,580	C
	679	Electronics Communications Maintenance Shops	4,100	C
	804	Field Maintenance Complex	20,900	C
	810	Mechanics Training Building (Increment III)	3,000	C

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<u>Installation/ Location</u>	<u>Proj. No.</u>	<u>Project Title</u>	<u>Cost (\$000)</u>	<u>New or Current</u>
MCAS Cherry Point, NC	031	Aircraft Bombing Range	\$ 1,050	C
	883	Regimental Group Headquarters	1,750	C
	017	Water Treatment Facility	7,600	C
NS Philadelphia, PA	521	Brig	5,100	C
NADC Warminster, PA	163	Aircraft Technologies Laboratory	13,700	C
NETC Newport, RI	146	Steam Distribution System Upgrade	6,350	C
NUSC Newport, RI	034	Guided Missile Laboratory	4,000	N
MCAS Beaufort, SC	366	Bachelor Enlisted Quarters	6,500	C
NH Charleston, SC	229	Emergency Water Storage Tank	550	C
NSY Charleston, SC	800	Water Treatment Facility	500	C
NS Charleston, SC	699	Boat Shop	1,900	C
	747	Pay and Personnel Support Office Addition	500	C
NSC Charleston, SC	058	Fleet Supply Support Store	3,200	C
NWS Charleston, SC	784	Missile Magazine	1,090	C
	869	Propulsion Training Facility	25,000	C
	823	SEALANCE Missile Maintenance Facility	9,400	N
MCRD Parris Island, SC	118	Clothing Issue Building	3,400	C
NAS Corpus Christi, TX	270	Airfield Lighting	4,700	C
NTTCDET Lackland AFB, TX	002	Bachelor Enlisted Quarters	11,800	C
HQTRSMARCORPS Arlington, VA	006	General Purpose Warehouse	2,800	C
MCDDET Camp Elmore, VA	801	Operations Center	2,850	C
NAVSPASURSYS Dahlgren, VA	249	Space Surveillance Center	9,800	C
FLTCOMDIRSYSSUPPACT Dam Neck, VA	983	Computer Programming Operations Center Addition	6,330	C
MARENVIRSYSPAC Dam Neck, VA	335	Operations and Maintenance Facilities	8,000	N
NAB Little Creek, VA	337	Landing Craft Air Cushion Complex (Increment II)	12,400	N
	204	Surface Warfare Development Group Operations Facility	2,200	C
	418	SURTASS Support Center Addition	7,250	N
	0288	Family Housing Community Center	370	C
NAVPHIBSCOL Little Creek, VA	366	Landing Craft Air Cushion Training Facility	1,440	N
	360	Training Materials Storage	800	C
FTC Norfolk, VA	179	Electrical Trades Training Building Addition	6,000	C
	180	Fire Fighting Training Facility	12,000	C
NAVCAMSLANT Norfolk, VA	141	Communication Center Addition	5,370	C

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<u>Installation/ Location</u>	<u>Proj. No.</u>	<u>Project Title</u>	<u>Cost (\$000)</u>	<u>New or Current</u>
NS Norfolk, VA	834	Electric Power Upgrade	\$ 9,000	C
NSC Norfolk, VA	444	General Warehouse	6,400	C
NPWC Norfolk, VA	236	Fuel Line	3,130	C
	5079	Family Housing Community Center	415	C
	2084	Family Housing Community Center	415	C
NAS Oceana, VA	178	Weapons System Trainer Building Addition	3,150	N
SIMA Portsmouth, VA	320	Shore Intermediate Maintenance Facility	12,094	C
MCCDC Quantico, VA	402	Combat Development Center	16,000	C
	408	Military Operations in Urbanized Terrain	3,850	C
NRL Annex, Quantico, VA	148	Midway Research Center Upgrade	2,600	N
NSWC Wallops Island, VA	327	AEGIS Command and Life Support Facility	5,460	C
TRIDENTREFITFAC Bangor, WA	057	Crane Trackage Extension	910	C
	050	Hazardous and Flammable Storehouse	2,100	C
TRIDENTTRAINFAC Bangor, WA	993	Fire Fighting Training Facility	3,600	C
Puget Sound NSY Bremerton, WA	252	Dry Dock Utilities Upgrade	1,700	C
NS Everett, WA	089	Carrier Pier Support	11,960	N
	145	Communications Facility	1,650	N
	117	Security and Fire Station	1,750	N
	082	Utilities and Site Improvements	6,790	N
NUWES Keyport, WA	295	Automated Materials Handling Facility	7,300	C
	309	Fire Station	1,100	C
	337	Submarine Weapons Systems Shop	10,100	C
NH Oak Harbor, WA	007	Aviation Physiology Training Facility	2,170	C
STRAWEPFACFAC Silverdale, WA	806	Engineering Services Building	3,500	N
	943	Magazine Modifications	1,600	N
	937	Missile Assembly Building	7,300	N
	809	Motor Inspection Building	8,000	N
	807	Radiographic Inspection Building	13,800	N
	935	Training Facility Addition	7,470	N
	957	Transfer Facility Addition	3,500	N
	808	Utilities and Site Improvements	8,600	N
NAS Whidbey Island, WA	074	Operational Trainer Facility Addition	1,410	N
	889	Operational and Maintenance Trainer Facility (Increment I)	17,900	N
NF Whidbey Island, WA	030	Electric Power Improvements	1,550	C

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<u>Installation/ Location</u>	<u>Proj. No.</u>	<u>Project Title</u>	<u>Cost (\$000)</u>	<u>New or Current</u>
<u>OUTSIDE THE UNITED STATES</u>				
NAS Bermuda	1088	Family Housing Office	\$ 374	C
NF Argentia	123	Terminal Equipment Building	1,350	C
Newfoundland, CD		Addition		
NS Guantanamo Bay, CU	803	Family Housing	31,669	C
FLTSURSUPPCOM, GU	002	Electronic Installation	30,000	N
NM, GU	809	Tomahawk Support Complex	9,000	N
NSD, GU	114	Security Improvements	2,900	C
NAS Keflavik, IC	463	Fuel Facilities	1,030	C
	812	Family Housing	27,200	C
NCS Keflavik, IC	802	Communication Center	4,370	C
NCS Sicily, IT	305	Receiver Facility	1,750	C
NAS Sigonella, IT	218	Corrosion Control Hangar	5,400	C
	220	Engine Maintenance Shop Addition	1,960	C
	144	Operations Control Center	5,650	C
NSGA Hanza, Okinawa	001	Fire Protection System	1,000	C
JA				
MCAS Iwakuni, JA	809	Hangar Conversion	3,090	C
	840	Weapons Assembly Area	2,820	N
NM Subic Bay, RP	405	Ammunition Segregation Facility	1,900	C
NSGA Sabana Seca, PR	069	Operations Building Addition	810	C
NCS Rota, SP	556	Operations Building Addition	1,740	C
FLTSURSUPPCOM	301	Electronic Installation	3,600	N
Brawdy Wales, UK				
PERSUPACT London, UK	610	Pay and Personnel Support Office	500	C
Various Locations	090	Host Nation Infrastructure	1,000	N/A
	090	Land Acquisition	7,800	N/A
	105	Architectural and Engineering	82,499	N/A
		Services and Construction		
		Design (MILCON)		
		(Family Housing)	1,500	N/A
	VAR	Post Acquisitions Construction	45,951	N/A
		(Family Housing Improvements)		
	090	Unspecified Minor Construction	15,500	N/A
	190	Access Roads	4,017	N/A
Total - Various Locations			158,267	
Total - Current Mission			925,647	
Total - New Mission			<u>422,860</u>	
Total - FY 1990 Military Construction and Family Housing Program			1,506,774	

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# **BUDGET APPENDIX EXTRACT**

#### Military Construction, Navy

For acquisition, construction, installation, and equipment of temporary or permanent public works, naval installations, facilities, and real property for the Navy as currently authorized by law, including personnel in the Naval Facilities Engineering Command and other personal services necessary for the purposes of this appropriation, (\$1,576,516,000, of which amount, \$38,080,000 for the TACAMO mission shall not be available for obligation or expenditure before October 15, 1988, and, of the amount appropriated, funds allocated for homeporting at Everett, Washington may be obligated and expended for any homeporting military construction activity at that installation, except actual dredging and disposal of contaminated sediment, and that such funds may be expended for actual dredging and disposal of contaminated sediments once requirements of the Federal Water Pollution Control Act have been satisfied) \$1,142,100,000, to remain available until September 30, (1993) 1994: Provided, That of this amount, not to exceed (\$129,000,000) \$84,970,000 shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefor.

Further, for the foregoing purposes, \$1,310,300.00, to become available for obligation on October 1, 1990 and to remain available for obligation until September 30, 1995: Provided, That of this amount, not to exceed \$82,499,000 shall be available for study, planning, design, architect and engineer services, as authorized by law, unless the Secretary of Defense determines that additional obligations are necessary for such purposes and notifies the Committees on Appropriations of both Houses of Congress of his determination and the reasons therefor. (10 U.S.C. 2675, 2802-05, 2807, 2828, 2851-54, 2857; Military Construction Appropriations Act, 1989; additional authorizing legislation to be proposed.)

Military (Instruction, Navy)		FISCAL YEAR 1984				
Program and Financing (in thousands of dollars)		Budget Plan (amounts for MILITARY COMS/MULTIM actions programmed)				
Identification Code 17-1205-U-1-051		1983 actual	1989 est.	1990 est.	1991 est.	1992 est.
Program by activities:						
00 010 Direct program						
00 020 Major construction						
00 030 Minor construction						
00 040 Planning						
00 040 Supporting activities						
10 000 Total						
Financing:						
Offsetting collections from:						
11 000 Federal funds(-)						
14 000 Non-Federal sources						
17 000 Reversal of prior year obligations						
21 4002 Unobligated balance available, start of year:						
21 4007 For completion of prior year budget plans						
25 0001 Rerrogramming from/prior year budget plans						
39 0001 Unobligated balance reporting						
39 0001 Budget authority						

Military Construction, Navy Program and Financing (in thousands of dollars) FISCAL YEAR 1985									
Budget Plan (amounts for Military Construction actions programed)									
Identification code	17-1205 0 1-051	1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:									
00 0101	Direct program					43,853		25,477	
00 0201	Minor construction					111		710	
00 0301	Planning					40		108	
00 0401	Supporting activities					53			
00 9101	Total direct program					44,840		26,282	
01 0101	Reimbursable program					10			
10 0001	Total					44,850		26,282	
Financing:									
Offsetting collections from:									
11 0001	Federal funds(-)					261			
14 0001	Non-federal sources(-)					11			
17 0001	Recovery of prior year obligations					-261			
21 4002	Recovery of prior year obligations for completion of prior year budget plans					-71,271		-26,282	
21 4003	Available to finance new budget plans	-6,800				-6,800			
24 4002	Unobligated balance available, end of year: For completion of prior year budget plans					26,282			
40 0017	Budget authority (appropriation rescinded) (-)					-6,800			



Military Construction, Navy Program and Financing (in thousands of dollars) FISCAL YEAR 1988									
Budget Plan (accounts for Military Construction activities programmed)									
CUMULATIVE									
Obligations									
Identification code	17-1205-0-1 US	1986 actual	1989 est	1990 est	1991 est	1992 actual	1989 est	1990 est	1991 est
Program by activities:									
Direct program:									
00 0101	Major construction	55,818	41,715	28,175					
00 0201	Minor construction	124	42	31					
00 0301	Planning	9	42	31					
00 0401	Supporting activities	748	882	487					
00 9101	Total direct program	56,700	42,857	27,032					
01 0101	Reimbursable program	100							
10 0001	Total	56,800	42,857	27,032					
Financing:									
Offsetting collections from:									
11 0001	Recovery of prior year obligations	2,130							
12 0001	Recovery of prior year obligations	-83							
13 0001	Recovery of prior year obligations	-2,148							
14 0001	Recovery of prior year obligations	-176,540	-68,089	-27,032					
21 4002	Unobligated balance available, start of year:	-24,345							
21 4003	Unobligated balance available, end of year:	4,945							
22 4001	Unobligated balance transferred to other accounts								
22 4002	Unobligated balance available, end of year:	69,888	27,032						
24 4002	For completion of prior year budget plans	19,400							
40 0017	Budget authority (appropriation restricted) (								

Military Construction, Navy Program and Financing (in thousands of dollars) FISCAL YEAR 1987									
Budget Plan (amounts for Military Construction actions program)									
Identification Code	17-1205-0 1-051	1983 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:									
00.0101	Direct program					43,657	35,813	24,011	24,532
00.0201	Minor construction					463	718	643	434
00.0301	Planning					397	103	104	112
00.0401	Supporting activities					1,407	1,919	823	556
00.9101	Total direct program					45,924	38,633	25,541	25,634
01.0101	Reimbursable program					17,124			
10.0001	Total					63,048	38,633	25,541	25,634
Financing:									
Offsetting collections from:									
11.0001	Federal funds(-)					-12,602			
14.0001	Non-federal sources(-)					-2,878			
17.0001	Recovery of prior year obligations					-1,845			
21.4002	Unobligated balance transferred to other accounts					-135,633	-89,808	-51,275	-25,634
21.4003	For completion of prior year budget plans					-210			
21.4007	Available to finance new budget plans					210			
22.4001	Reprogramming from prior year budget plans					210			
22.4002	Unobligated balance transferred to other accounts					89,808	51,275	25,634	
24.4002	For completion of prior year budget plans					198			
42.0001	Budget authority (Transferred from other acc								

Military Construction, Navy  
Program and Financing (in thousands of dollars) FISCAL YEAR 1988

Program and financing (in thousands of dollars) FISCAL YEAR 1990									
Identification code	17-1205 0 1-051	Budget Plan (amounts for MILITARY CONSTRUCTION actions programmed)				Obligations			
		1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:									
Direct program:									
00.0101	Major construction	1,267,654				1,097,626	62,270	54,087	26,468
00.0201	Minor construction	16,500				14,438	1,388	160	480
00.0301	Planning	130,000				129,635	385		
00.9101	Total direct program	1,414,154				1,241,697	64,022	54,257	27,128
01.0101	Reimbursable program	394,404				394,404			
10.0001	Total	1,808,558				1,636,101	64,022	54,257	27,128
Financing:									
Offsetting collections from:									
11.0001	Federal funds(-)	-203,586				-203,586			
14.0001	Non-federal sources(-)	-190,818				-190,818			
21.4002	Unobligated balance available, start of year:								
	for completion of prior year budget plans						-172,487	-108,434	-54,177
24.4002	Unobligated balance available, end of year:								
	for completion of prior year budget plans					172,457	108,434	54,177	27,848
39.0001	Budget authority	1,414,154				1,414,154			
40.0001	Budget authority:								
	Transferred to other accounts(-)	1,417,311				1,417,311			
41.0001	Transferred from other accounts	-35,018				-35,018			
42.0001	Transferred from other accounts	31,842				31,842			
43.0001	Appropriation (adjusted)	1,414,154				1,414,154			

Military Construction on Navy Program and Financing (in thousands of dollars) FISCAL YEAR 1988									
Budget Plan (amounts for military construction actions program)									
Obligations									
Identification code	12-1205 0-1-051	1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activity:									
Direct program:									
00 0101	Major construction	1,419,397	1,289,891	45,942	49,639				
00 0102	Minor construction	16,300	11,855	2,193	2,193				
00 0103	Planning	129,000	8,451	24,198	5,531				
00 0104	Operating activity	11,818	8,451	2,058	473				
00 0105	Total direct program	1,576,516	1,388,644	75,061	56,295				
01 0101	Reimbursable program	300,000	300,000						
10 0001	Total	1,876,516	1,688,644	75,061	56,295				
Financing									
Offsetting collections from:									
11 0001	Federal funds(-)	-204,800	-204,800						
14 0001	Non-federal funds(-)	-85,200	-85,200						
21 4002	Unobligated balance available, start of year:								
24 4002	Unobligated balance available, end of year:								
40 0001	Budget authority (appropriation)	1,576,516	1,576,516	187,852	112,591				

Military Construction, Navy Program and Financing (in thousands of dollars) FISCAL YEAR 1990									
Budget Plan (amounts for MILITARY CONSTRUCTION activities programmed)									
Identification Code		1988 actual		1989 est.		1990 est.		1991 est.	
Program by activities:		1988 actual		1989 est.		1990 est.		1991 est.	
Direct program:									
00 0101	Major construction			1,037,370		913,987		38,436	
00 0201	Minor construction			14,000		10,155		2,372	
00 0301	Planning			84,910		69,809		1,248	
00 0401	Supporting activities			5,810		3,158		1,248	
00 9101	Total direct program			1,142,100		997,890		57,664	
01 0101	Reimbursable program			300,000		20,000			
10 0201	Total			1,442,100		1,297,890		57,664	
Financing:									
Offsetting collections from:									
11 0001	Federal credit			-204,800		-204,800		-144,210	
14 0001	Federal credit			-95,200		-95,200			
21 4001	Unobligated balance available, start of year:								
21 4002	Unobligated balance of prior year budget plans					144,210		88,526	
24 4001	Unobligated balance of prior year budget plans								
24 4002	Unobligated balance of prior year budget plans			1,142,100		1,142,100			
40 0001	Budget authority (appropriation)								

Military Construction, Navy Program and financing (in thousands of dollars) FISCAL YEAR 1991									
Identification code	17-1205-0 1-051	Budget plan (amounts for MILITARY CONSTRUCTION actions programmed)				Outlays			
		1990 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activities:									
Direct program:									
00 0101	Major construction				1,208,284				1,059,098
00 0201	Minor construction				15,500				13,728
00 0301	Planning				82,439				74,074
00 0401	Supporting activities				4,017				2,872
00 9109	Total direct program				1,310,300				1,149,279
01 0101	Reimbursable program				300,000				300,000
10 0001	Total				1,610,300				1,449,279
Financing:									
Offsetting collections from:									
11 0001	Federal funds(-)				-204,800				-204,800
14 0001	Unobligated balance(-)				-95,200				-95,200
24 4002	Unobligated balance available, end of year: for completion of prior year budget plans								161,039
40 0001	Budget authority (Appropriation)				1,310,300				1,310,300

Military Construction, Navy Program and Financing (in thousands of dollars) Summary									
Identification Code	17-1204 0 1 051	Budget Plan (amounts for Military Construction actions program)				Outlays			
		1988 actual	1989 est.	1990 est.	1991 est.	1988 actual	1989 est.	1990 est.	1991 est.
Program by activity:									
00 0101	Direct program:	1,267,654	1,419,397	1,071,370	1,208,284	1,297,896	1,435,186	1,064,212	1,199,571
00 0201	Minor construction	16,500	16,300	14,000	15,500	18,014	14,909	14,140	17,749
00 0301	Planning	130,000	129,000	64,970	82,489	130,084	99,483	94,302	94,546
00 0401	Supporting activities	11,819	11,819	5,810	4,017	11,231	9,163	7,227	5,147
00 9101	Total direct program	1,414,154	1,576,516	1,142,100	1,310,300	1,447,157	1,560,759	1,179,691	1,316,911
01 0101	Reimbursable program	394,404	300,000	300,000	300,000	411,628	300,000	300,000	300,000
10 0001	Total	1,808,558	1,876,516	1,442,100	1,610,300	1,858,785	1,860,759	1,479,691	1,616,911
Financing:									
Disabling collections from:									
11 0001	Federal funds(-)	-203,586	-204,800	-204,800	-204,800	-213,450	-204,800	-204,800	-204,800
14 0001	Non-Federal sources(-)	-190,818	-95,700	-95,200	-95,200	-193,548	-95,200	-95,200	-95,200
17 0001	Recovery of prior year obligations					-4,843			
21 0001	Unobligated balance, start of year:								
21 4002	For completion of prior year budget plans					-392,088	-386,836	-374,393	-336,612
21 4003	Available to finance new budget plans	-31,355				-31,355			
21 4007	Reprogramming from/to prior year budget plans	-460				5,155			
22 4001	Unobligated balance transferred to other accounts	5,155				358,836	374,393	336,612	336,612
24 4002	Unobligated balance available, end of year:					658			
25 0001	Unobligated balance lapsing								
30 0001	Budget authority	1,388,152	1,576,516	1,142,100	1,310,300	1,388,152	1,576,516	1,142,100	1,310,300
Budget authority:									
40 0001	Appropriation	1,417,311	1,576,516	1,142,100	1,310,300	1,417,311	1,576,516	1,142,100	1,310,300
40 0017	Appropriation rescinded (unobligated balance)	-26,200				-26,200			
41 0001	Transferred to other accounts(-)	-35,019				-35,019			
42 0001	Transferred from other accounts	37,060				37,060			
43 0001	Appropriation (adjusted)	1,388,152	1,576,516	1,142,100	1,310,300	1,388,152	1,576,516	1,142,100	1,310,300
Relation of obligations to outlays:									
71 7001	Obligations incurred, net					1,451,789	1,560,759	1,179,691	1,316,911
72 4001	Obligated balance, start of year					1,797,789	1,536,940	1,570,299	1,328,000
72 4001	Obligated balance, end of year					-1,536,940	-1,570,299	-1,328,000	-1,368,191
73 0001	Unobligated balance, end of year					1,518			
74 0001	Adjustments in obligated accounts					-4,843			
75 0001	Adjustments in unobligated accounts								
90 0001	Outlays					1,209,524	1,527,400	1,422,100	1,284,909

Military Construction, Navy  
Object Classification (in thousands of dollars) SUMMARY

Identification code	17-1205 0 1 051	1968 actual	1969 est.	1970 est.	1991 est.
<b>Direct obligations:</b>					
111.001	Personnel compensation:				
111.301	Full-time permanent	81,753	89,647	95,042	96,389
111.501	Other than full-time permanent	5,352	7,442	3,565	3,726
111.501	Other personnel compensation	2,428	2,847	3,500	3,550
111.901	Total personnel compensation	89,533	99,936	102,107	103,665
112.001	Personnel benefits: Civilian personnel	17,506	17,202	17,035	17,322
113.001	Benefits for former personnel	385			
121.001	Travel and transportation of persons	4,878	5,244	5,258	5,272
122.001	Transportation of things	1,533	2,802	2,377	2,377
123.001	Rental payments to others	5,251	6,464	5,489	5,256
124.001	Printing and reproduction	2,812	1,461	1,277	1,256
125.001	Other services:				
125.001	Payments to foreign national indirect hire personnel	2,165	1,146	1,291	1,271
125.003	Contracts	34,057	34,131	26,136	24,524
126.001	Supplies and materials	2,282	2,401	2,042	1,855
127.001	Equipment	1,281	1,846	1,006	1,538
128.001	Land and structures	1,201	1,377	1,569	1,146
129.001	Total direct obligations	1,443,894	1,540,532	1,172,654	1,310,664
<b>Reimbursable obligations:</b>					
211.001	Personnel compensation:				
211.301	Full-time permanent	19,767	14,195	13,715	14,483
211.501	Other than full-time permanent	1,820	989	1,011	960
211.501	Other personnel compensation	596	488	545	542
211.901	Total personnel compensation	22,183	15,672	15,271	15,985
212.001	Personnel benefits: Civilian Personnel	4,339	2,772	2,586	2,711
221.001	Travel and transportation of persons	447	558	559	550
222.001	Transportation of things	32	28	28	28
223.001	Rental payments to others	116	116	116	116
224.001	Printing and reproduction	3,848	2,600	2,600	2,600
225.001	Other services:				
225.001	Payments to foreign national indirect hire personnel	1,282	1,020	1,020	1,020
225.003	Contracts	105	186	186	186
226.001	Supplies and materials	379,305	276,904	277,469	276,968
227.001	Equipment				
228.001	Land and structures				
229.001	Total reimbursable obligations	411,636	300,000	300,000	300,000
<b>Allocation Accounts:</b>					
311.001	Personnel compensation:				
311.301	Full-time permanent	22	24	24	26
311.501	Other than full-time permanent	11	11	11	11
311.501	Other personnel compensation	5	5	5	5
311.901	Total personnel compensation	38	40	40	42



Military Construction, Navy  
Object Classification (in thousands of dollars) SUMMARY

Identification code	1988 actual	1989 est.	1990 est.	1991 est.
1-1205-0-1-051				
321.001 Personnel benefits: Civilian personnel	4	4	4	4
321.002 Travel and transportation of persons	73	74	74	74
321.003 Transportation of things	12	12	12	12
322.001 Other services:				
325.004 Other	125	125	125	125
325.005 Supplies and materials	4	4	4	4
325.006 Land and structures	2,957	11,012	7,010	4,936
325.007	3,163	11,221	7,227	5,147
325.008 Total Allocation Accounts	1,856,785	1,860,789	1,479,081	1,816,011
999.001 Total obligations	1,856,785	1,860,789	1,479,081	1,816,011
Obligations are distributed as follows:				
Defense-Military-Navy	1,855,432	1,849,538	1,472,054	1,810,864
Department of Transportation	3,183	11,221	7,227	5,147
Total Obligations	1,856,785	1,860,789	1,479,081	1,816,011

# **SPECIAL PROGRAM CONSIDERATIONS**

**"E" SPECIAL  
CONSIDERATIONS**

DEPARTMENT OF THE NAVY  
FY 1991 MILITARY CONSTRUCTION PROGRAM

Special Program Considerations

Pollution Abatement

The military construction projects proposed in this program will be designed to meet environmental standards. Military construction projects proposed primarily for abatement of existing pollution problems at Naval and Marine Corps installations have been reviewed to ensure that corrective design is accomplished in accordance with specific standards and criteria.

Energy Conservation

The military construction projects proposed in this program will be designed for minimum energy consumption.

Floodplain Management and Wetlands Protection

Proposed land acquisitions, disposals, and installation construction projects have been planned to allow the proper management of floodplains and the protection of wetlands by avoiding long and short-term adverse impacts, reducing the risk of flood losses, and minimizing the loss or degradation of wetlands. Project planning is in accordance with the requirements of Executive Order Nos. 11988 and 11990.

Design for Accessibility of Physically Handicapped Personnel

In accordance with Public Law 90-480, provisions for physically handicapped personnel will be provided for, where appropriate, in the design of facilities included in this program.

Preservation of Historical Sites and Structures

Facilities included in this program do not directly or indirectly affect a district, site, building, structure, object or setting listed in the National Register of Historic Places, except as noted on the DD Form 1391.

Planning in the National Capital Region

Projects located in the National Capital Region are submitted to the National Capital Planning Commission for budgetary review and comment as part of the commission's annual review of the Five-Year Defense Program (FYDP). Construction projects within the District of Columbia with the exception of the Bolling/Anacostia area are submitted to the Commission for approval prior to the start of construction.

Environmental Protection

In accordance with Section 102(2)(c) of the National Environmental Policy Act of 1969 (Public Law 91-190), the environmental impact analysis process has been completed or is actively underway for all projects in the military construction program.

DEPARTMENT OF THE NAVY  
FY 1991 MILITARY CONSTRUCTION PROGRAM

Special Program Considerations (Continued)

Economic Analysis

Economics are an inherent aspect of project development and design of military construction projects. Therefore, all projects included in this program represent the most economical use of resources. Where alternatives can be evaluated, a primary economic analysis was prepared and the results indicated on the DD Form 1391.

Construction Criteria Manual

Project designs conform to Part II of Military Handbook 1190, "Facility Planning and Design Guide."

Congressional Report Requirements

Include the project for modernization and dry dock cover at the Portsmouth NSY, Kittery, ME in the FY 1990/1991 budget request. SASC Report 100-326, dated May 4, 1988, page 147. This project, P-228, is in the FY 1991 budget request.

Special Operating Forces

The total amount for special operating forces projects in the FY 1991 budget request is \$8,200,000 and includes the following projects:

<u>PROJECT</u>	<u>LOCATION</u>	<u>AMOUNT REQUESTED</u> <u>(\$000)</u>
Maritime Training Facility	NAB Coronado, CA	2,200
Desert Operations Facility	NAB Coronado, CA	6,000

# **PROJECT JUSTIFICATION FORMS INSIDE THE UNITED STATES**

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION NAVAL AIR STATION, ADAK, ALASKA				4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET			5. AREA CONSTR. COST INDEX 3.52				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		TOTAL	
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED		CIVILIAN
a. AS OF 09/30/88		74	928	177	0	0	0	101	455	0	1735
d. END FY 1994		90	1083	177	0	0	0	105	491	0	1846
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 52,181)											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 329,760											
c. AUTHORIZATION NOT YET IN INVENTORY. . . . . 43,470											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 3,200											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 8,250											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 10,920											
g. REMAINING DEFICIENCY. . . . . 56,600											
h. GRAND TOTAL . . . . . 452,200											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE				
833.20	SOLID WASTE DISPOSAL FAC				LS	3,200	11/88	C1/90			
	TOTAL					3,200					
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
721.11	REQ MODERNIZATION				43,520 SF	8,250					
	TOTAL					8,250					
B. MAJOR PLANNED NEXT THREE YEARS:											
141.25	FIRE STATION				17,510 SF	7,120					
134.70	EHF STA COM TERM BLDG				LS	600					
880.10	FIRE ALARM SYS IMPROV				LS	3,200					
10. MISSION OR MAJOR FUNCTIONS:											
Maintain and operate facilities; provide services and materials to support operations of aviation activities and units of the operating forces of the Navy and other activities and units; and provide emergency services to ships and aircraft throughout the Aleutian chain, the Bering Sea, and the North Pacific. Deployment site for a P-3 aircraft ASW patrol squadron. Supports a Naval Oceanographic Facility.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 10											
B: INSTALLATION RESTORATION 49,730											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 600											

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM						2. DATE		
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY, ADAK, ALASKA					4. COMMAND NAVAL SECURITY GROUP COMMAND			5. AREA CONSTR. COST INDEX 3.52		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
	a. AS OF 09/30/88	16	449	11	0	0	0	0	0	
b. END FY 1994	22	550	11	0	0	0	0	0	0	583
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 8,820)										
b. INVENTORY TOTAL AS OF 30 SEP 88 65,500										
c. AUTHORIZATION NOT YET IN INVENTORY 17,460										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 2,500										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 3,200										
f. PLANNED IN NEXT THREE PROGRAM YEARS 11,000										
g. REMAINING DEFICIENCY 42,800										
h. GRAND TOTAL 142,460										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
131.55	OPERATIONS BLDG ADDITION				1,200 SF	2,500	11/88 01/90			
	TOTAL					2,500				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
143.80	CLASSIC WIZARD				8,000 SF	3,200				
	TOTAL					3,200				
B. MAJOR PLANNED NEXT THREE YEARS:										
132.10	LF ANTENNA REPLACEMENT				LS	11,000				
10. MISSION OR MAJOR FUNCTIONS:										
This activity is part of the worldwide telecommunications system providing tactical ship-to-shore and point-to-point communications for the Navy Defense Communications Systems and Naval Security Group operations.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT NAVY		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY, ADAK, ALASKA			4. PROJECT TITLE OPERATIONS BUILDING ADDITION		
5. PROGRAM ELEMENT 0305896N	6. CATEGORY CODE 131.55	7. PROJECT NUMBER P-075	8. PROJECT COST (\$000) 2,500		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
OPERATIONS BUILDING ADDITION . . . . .	SF	1,200	-	800	
BUILDING ADDITION. . . . .	SF	1,200	575.00	( 690)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 110)	
SUPPORTING FACILITIES. . . . .	-	-	-	1,460	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 800)	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 140)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 370)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 150)	
SUBTOTAL . . . . .	-	-	-	2,260	
CONTINGENCY (5%) . . . . .	-	-	-	110	
TOTAL CONTRACT COST. . . . .	-	-	-	2,370	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	130	
TOTAL REQUEST. . . . .	-	-	-	2,500	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One-story reinforced concrete building addition, pile foundation, ventilation, utilities; fire protection system to include the entire building.					
11. REQUIREMENT: 37,500 SF. ADEQUATE: 36,300 SF. SUBSTANDARD: 0 SF.					
PROJECT: Provides an addition to the operations building; fire protection for the entire facility. (Current mission.)					
REQUIREMENT: Additional properly-configured space to accommodate mission essential electronic systems in support of critical Defense Communications System (DCS) communications. Fire protection to meet current regulations.					
CURRENT SITUATION: The existing facility is inadequate to support any additional modern electronic equipment, and is presently without required fire protection.					
IMPACT IF NOT PROVIDED: The NSGA will not be able to accommodate new DCS supporting equipment, and will continue to operate in inadequate facilities without fire protection.					
(Continued on DD 1391c)					



1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																						
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY, ADAK, ALASKA																								
4. PROJECT TITLE OPERATIONS BUILDING ADDITION	5. PROJECT NUMBER P-075																							
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table style="margin-left: 40px;"> <tr><td>(a) Date Design Started.....</td><td style="text-align: right;">11-88</td></tr> <tr><td>(b) Percent Complete as of January 1990.....</td><td style="text-align: right;">100</td></tr> <tr><td>(c) Date Design 35% Complete.....</td><td style="text-align: right;">5-89</td></tr> <tr><td>(d) Date Design Complete.....</td><td style="text-align: right;">1-90</td></tr> </table> <p>(2) Basis:</p> <table style="margin-left: 40px;"> <tr><td>(a) Standard or Definitive Design:</td><td style="text-align: right;">Yes _____ No <u>X</u></td></tr> <tr><td>(b) Where Design Was Most Recently Used:</td><td style="text-align: right;">N/A</td></tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="margin-left: 40px;"> <tr><td>(a) Production of Plans and Specifications.....</td><td style="text-align: right;">( 90 )</td></tr> <tr><td>(b) All Other Design Costs.....</td><td style="text-align: right;">( 60 )</td></tr> <tr><td>(c) Total.....</td><td style="text-align: right;">150</td></tr> <tr><td>(d) Contract.....</td><td style="text-align: right;">( 130 )</td></tr> <tr><td>(e) In-house.....</td><td style="text-align: right;">( 20 )</td></tr> </table> <p>(4) Construction start..... <span style="float: right;">1-91</span> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	( 90 )	(b) All Other Design Costs.....	( 60 )	(c) Total.....	150	(d) Contract.....	( 130 )	(e) In-house.....	( 20 )
(a) Date Design Started.....	11-88																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	5-89																							
(d) Date Design Complete.....	1-90																							
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	N/A																							
(a) Production of Plans and Specifications.....	( 90 )																							
(b) All Other Design Costs.....	( 60 )																							
(c) Total.....	150																							
(d) Contract.....	( 130 )																							
(e) In-house.....	( 20 )																							

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION  MARINE CORPS AIR STATION, YUMA, ARIZONA					4. COMMAND  COMMANDANT OF THE MARINE CORPS			5. AREA CONSTR. COST INDEX  1.19			
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1994		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
		420	3835	344	78	25	0	143	1522	0	6367
		166	867	533	150	25	0	462	3609	415	6227
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 462,599)											
b. INVENTORY TOTAL AS OF 30 SEP 88 122,360											
c. AUTHORIZATION NOT YET IN INVENTORY 33,480											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 3,000											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 13,660											
f. PLANNED IN NEXT THREE PROGRAM YEARS 33,000											
g. REMAINING DEFICIENCY 96,580											
h. GRAND TOTAL 302,080											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS START COMPLETE	
441.10		AVIATION SUPPLY WAREHOUSE				46,390 SF		3,000		11/88 01/90	
		TOTAL						3,000			
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
136.45		WHEEL WATCH/WAVEOFF FAC				LS		800			
211.05		MAINTENANCE HANGAR				37,300 SF		12,240			
740.43		PHYSICAL FITNESS CTR ADDN				3,730 SF		620			
		TOTAL						13,660			
B. MAJOR PLANNED NEXT THREE YEARS:											
116.35		ARM/DE-ARMING PADS				25,200 SY		2,000			
211.05		AIRCRAFT MAINT HANGAR				LS		10,000			
10. MISSION OR MAJOR FUNCTIONS:											
Provide facilities, services, and material necessary to support major operating elements of a Marine Aircraft Wing, including aircraft maintenance, air-traffic control, and aviation ordnance handling.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 0											
B: INSTALLATION RESTORATION 4,520											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, YUMA, ARIZONA			4. PROJECT TITLE AVIATION SUPPLY WAREHOUSE		
5. PROGRAM ELEMENT 0206496M	6. CATEGORY CODE 441.10	7. PROJECT NUMBER P-441	8. PROJECT COST (\$000) 3,000		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
AVIATION SUPPLY WAREHOUSE. . . . .	SF	46,390	-	2,360	
BUILDING-GENERAL STORAGE. . . . .	SF	44,390	47.00	(2,090)	
HAZARDOUS AND FLAMMABLE STORAGE. . . . .	SF	2,000	135.00	( 270)	
SUPPORTING FACILITIES. . . . .	-	-	-	350	
UTILITIES. . . . .	LS	-	-	( 50)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 200)	
DEMOLITION. . . . .	LS	-	-	( 100)	
SUBTOTAL. . . . .	-	-	-	2,710	
CONTINGENCY (5%). . . . .	-	-	-	130	
TOTAL CONTRACT COST. . . . .	-	-	-	2,840	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .	-	-	-	160	
TOTAL REQUEST. . . . .	-	-	-	3,000	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)	-	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One-story masonry load-bearing wall high-bay building, concrete foundation and floor, built-up roof, 12-foot stacking height, administrative space sound attenuated and air conditioned, fire protection system, utilities; demolition of three buildings.					
11. REQUIREMENT: 171,290 SF. ADEQUATE: 124,900 SF. SUBSTANDARD: 0 SF. PROJECT: Constructs a warehouse for general aviation and hazardous and flammable storage. (New mission.) REQUIREMENT: Adequate storage facilities to accommodate the needs of Marine Air Group-13 (MAG-13). The MAG-13 complement of four AV-8B tactical squadrons and a full support squadron places a significant impact on limited available space. CURRENT SITUATION: Yuma's adequate aviation supply warehouse space will satisfy only 73% of that necessary when a military construction project presently under construction is complete. IMPACT IF NOT PROVIDED: Yuma cannot adequately support MAG-13 and associated units with necessary warehouse space. ADDITIONAL: Insufficient warehousing in the civilian community limits leasing as a viable alternative.					
(Continued on DD 1391c)					

1. COMPONENT NAVY	2. DATE FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA																							
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, YUMA, ARIZONA																								
4. PROJECT TITLE AVIATION SUPPLY WAREHOUSE	5. PROJECT NUMBER P-441																							
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">11-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">5-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">1-90</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 110 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 90 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">200</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 50 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 150 )</td> </tr> </table> <p>(4) Construction start..... 12-90 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriation. None.</p>			(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	( 110 )	(b) All Other Design Costs.....	( 90 )	(c) Total.....	200	(d) Contract.....	( 50 )	(e) In-house.....	( 150 )
(a) Date Design Started.....	11-88																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	5-89																							
(d) Date Design Complete.....	1-90																							
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	N/A																							
(a) Production of Plans and Specifications.....	( 110 )																							
(b) All Other Design Costs.....	( 90 )																							
(c) Total.....	200																							
(d) Contract.....	( 50 )																							
(e) In-house.....	( 150 )																							

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE					
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CAMP PENDELTON, CALIFORNIA				4. COMMAND COMMANDANT OF THE MARINE CORPS		5. AREA CONSTR. COST INDEX 1.12					
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88		7	64	10	0	0	0	225	1266	10	1582
b. END FY 1994		5	106	2	124	72	0	529	2879	0	3717
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 411)											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 29,980											
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 26,940											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 3,900											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 4,080											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 6,960											
g. REMAINING DEFICIENCY . . . . . 23,680											
h. GRAND TOTAL . . . . . 95,540											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
218.20		CONSTR & WT HNDLG EQP SHOP				25,390 SF	3,900	04/88 09/89			
		TOTAL					3,900				
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
141.20		AC FIRE & RESC STA ADDN				1,980 SF	580				
171.35		OPERATIONAL TRAINER				LS	1,000				
610.71		GROUP HQTRS BLDG				12,550 SF	2,500				
		TOTAL					4,080				
B. MAJOR PLANNED NEXT THREE YEARS:											
143.47		ALERT FORCE BLDG				LS	450				
211.85		LINE MAINTENANCE SHELTER				5,000 SF	410				
10. MISSION OR MAJOR FUNCTIONS:											
As a key component of the Commander, Marine Corps Air Bases, West, provides airfield facilities and material to support operations of the third Marine Aircraft Wing Unit.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 0											
B: INSTALLATION RESTORATION 0											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CAMP PENDLETON, CALIFORNIA				4. PROJECT TITLE CONSTRUCTION AND WEIGHT HANDLING EQUIPMENT SHOP		
5. PROGRAM ELEMENT 0206496M		6. CATEGORY CODE 218.20	7. PROJECT NUMBER P-584		8. PROJECT COST (\$000) 3,900	
9. COST ESTIMATES						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
CONSTRUCTION AND WEIGHT HANDLING EQUIP SHOP.	SF	25,390	85.00	2,160		
SUPPORTING FACILITIES. . . . .	-	-	-	1,360		
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 200)		
MECHANICAL UTILITIES . . . . .	LS	-	-	( 140)		
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	(1,020)		
SUBTOTAL . . . . .	-	-	-	3,520		
CONTINGENCY (5%) . . . . .	-	-	-	180		
TOTAL CONTRACT COST. . . . .	-	-	-	3,700		
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	200		
TOTAL REQUEST. . . . .	-	-	-	3,900		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		( 0)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
One two-story steel frame building and one one-story shop building, concrete floors and foundation, masonry walls, built-up roof, training and administrative areas, hoists, sound attenuation, vehicle loading ramps, washracks, hazardous material storage, security fencing and lighting, fire protection system, air conditioning, utilities.						
11. REQUIREMENT: 25,390 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF. PROJECT: Provides facilities to house a heavy equipment shop, training, and administrative functions of the Marine Wing Support Squadron 372 (MWSS-372). (Current mission.) REQUIREMENT: Adequate and properly-configured facilities to train, service, and properly maintain vehicles and equipment assigned to the squadron, thereby extending their useful service life. MWSS-372 has approximately 600 personnel and 1,500 pieces of equipment. CURRENT SITUATION: MWSS-372 was recently organized at this station and there are no facilities available to house this function. IMPACT IF NOT PROVIDED: Tents, trailers, and temporary buildings will have to be used with an adverse effect on the squadron. The lack of facilities make it impossible to properly maintain the vehicles and equipment. The Commanding Officer and his staff will not be able to properly administer and supervise personnel and activities.						
(Continued on DD 1391c)						

1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																						
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CAMP PENDLETON, CALIFORNIA																								
4. PROJECT TITLE CONSTRUCTION AND WEIGHT HANDLING EQUIPMENT SHOP	5. PROJECT NUMBER P-584																							
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">4-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">11-88</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">9-89</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 205 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 215 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">420</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 350 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 70 )</td> </tr> </table> <p>(4) Construction start..... 12-90 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Date Design Started.....	4-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	11-88	(d) Date Design Complete.....	9-89	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	( 205 )	(b) All Other Design Costs.....	( 215 )	(c) Total.....	420	(d) Contract.....	( 350 )	(e) In-house.....	( 70 )
(a) Date Design Started.....	4-88																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	11-88																							
(d) Date Design Complete.....	9-89																							
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	N/A																							
(a) Production of Plans and Specifications.....	( 205 )																							
(b) All Other Design Costs.....	( 215 )																							
(c) Total.....	420																							
(d) Contract.....	( 350 )																							
(e) In-house.....	( 70 )																							

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION MARINE CORPS BASE. CAMP PENDLETON, CALIFORNIA				4. COMMAND COMMANDANT OF THE MARINE CORPS		5. AREA CONSTR. COST INDEX 1.12				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	584	3731	3578	0	900	0	2588	33645	722	45768
b. END FY 1994	609	3303	1989	66	3964	0	1991	26515	2197	40634
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 186,021)										
b. INVENTORY TOTAL AS OF 30 SEP 88 552,650										
c. AUTHORIZATION NOT YET IN INVENTORY 141,580										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 25,000										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 31,940										
f. PLANNED IN NEXT THREE PROGRAM YEARS 24,750										
g. REMAINING DEFICIENCY 228,780										
h. GRAND TOTAL 1,004,700										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE		SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE					
179.45	MIL OPS IN URBANIZED TERRN		LS	15,500	12/88	06/90				
217.10	ELECS/COMM MAINT SHOP		37,810 SF	5,900	11/88	01/90				
722.10	MESS HALL		17,200 SF	3,600	11/88	01/90				
	TOTAL			25,000						
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
143.45	BWT SUPT FACS (SAN ONOFRE)		LS	750						
143.45	ARMORY (PULGAS)		LS	340						
171.35	BASIC WARRIOR TRAINING		LS	14,000						
179.50	CBT TRNG AREA (SAN ONOFRE)		LS	1,750						
214.51	AUTO ORGANIZATIONAL SHOP		LS	6,100						
721.45	MESS HALL EXPANSION		LS	1,300						
813.20	ELEC UPGRD-HAYBARN CANYON		LS	7,700						
	TOTAL			31,940						
10. MISSION OR MAJOR FUNCTIONS:										
Provide housing, training facilities, logistical support, and certain administrative support for Fleet Marine Force units and other units assigned. Conduct specialized schools and other training as directed. Organize and train replacement units for deployment overseas as directed. Provide logistical support for other Marine Corps activities as directed.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A. POLLUTION ABATEMENT				3,560						
B. INSTALLATION RESTORATION				9,950						
C. OCCUPATIONAL SAFETY AND HEALTH (OSH):				1,350						



1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION MARINE CORP BASE, CAMP PENDLETON, CALIFORNIA				4. PROJECT TITLE ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP		
5. PROGRAM ELEMENT  0206496M		6. CATEGORY CODE  217.10	7. PROJECT NUMBER  P-229		8. PROJECT COST (\$000)  5,900	
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP.		SF	37,810	-	4,400	
ELECTRONICS COMMUNICATIONS SHOP. . . . .		SF	24,500	114.00	(2,800)	
TACTICAL VEHICLE SHOP. . . . .		SF	13,310	120.00	(1,600)	
SUPPORTING FACILITIES. . . . .		-	-	-	920	
ELECTRICAL UTILITIES . . . . .		LS	-	-	( 170)	
MECHANICAL UTILITIES . . . . .		LS	-	-	( 130)	
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 170)	
DEMOLITION AND REMOVAL . . . . .		LS	-	-	( 450)	
SUBTOTAL . . . . .		-	-	-	5,320	
CONTINGENCY (5%) . . . . .		-	-	-	270	
TOTAL CONTRACT COST. . . . .		-	-	-	5,590	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .		-	-	-	310	
TOTAL REQUEST. . . . .		-	-	-	5,900	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>Two one-story reinforced concrete and masonry buildings, metal roofing, concrete foundations and floors, overhead cranes, fire protection system, energy monitoring and control system, ventilation, utilities; demolition of two buildings, removal of contaminated underground tanks, soils, and asbestos.</p>						
<p>11. REQUIREMENT: <u>37,810</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>0</u> SF.  PROJECT: Constructs facilities for maintenance and repair of electronics and communications equipment and vehicles assigned to the Headquarters Battalion. (Current mission.)  REQUIREMENT: Adequate and properly-configured facilities to accomplish prescribed maintenance on electronics and communications equipment and vehicles.  CURRENT SITUATION: Existing maintenance and storage facilities are dispersed, makeshift complexes consisting primarily of miscellaneous open repair sheds, tents, and quonset huts. Most repair and maintenance is accomplished outdoors where the mechanics and equipment are exposed to inclement weather and operations are complicated by dirt and dust. Indoor space is not only extremely limited, but unheated, poorly lighted and the atmosphere is not conducive to the quality of maintenance required by Fleet Marine Force units.</p>						

(Continued on DD 1391c)

1. COMPONENT  NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																						
3. INSTALLATION AND LOCATION  MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA																								
4. PROJECT TITLE  ELECTRONICS COMMUNICATIONS MAINTENANCE SHOP		5. PROJECT NUMBER  P-229																						
<p>11. REQUIREMENT: (Continued)  <u>IMPACT IF NOT PROVIDED:</u> Meeting prescribed maintenance requirements will be complicated if not impossible, quality of maintenance will be compromised, deterioration of equipment will be accelerated, and support during combat could be unreliable.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 40px;"> <p>(1) Status:</p> <table style="margin-left: 20px;"> <tr><td>(a) Date Design Started.....</td><td style="text-align: right;">11-88</td></tr> <tr><td>(b) Percent Complete as of January 1990.....</td><td style="text-align: right;">100</td></tr> <tr><td>(c) Date Design 35% Complete.....</td><td style="text-align: right;">5-89</td></tr> <tr><td>(d) Date Design Complete.....</td><td style="text-align: right;">1-90</td></tr> </table> <p>(2) Basis:</p> <table style="margin-left: 20px;"> <tr><td>(a) Standard or Definitive Design:</td><td style="text-align: right;">Yes _____ No <u>X</u></td></tr> <tr><td>(b) Where Design Was Most Recently Used:</td><td style="text-align: right;"><u>N/A</u></td></tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="margin-left: 20px;"> <tr><td>(a) Production of Plans and Specifications.....</td><td style="text-align: right;">( 300 )</td></tr> <tr><td>(b) All Other Design Costs.....</td><td style="text-align: right;">( 245 )</td></tr> <tr><td>(c) Total.....</td><td style="text-align: right;">545</td></tr> <tr><td>(d) Contract.....</td><td style="text-align: right;">( 455 )</td></tr> <tr><td>(e) In-house.....</td><td style="text-align: right;">( 90 )</td></tr> </table> <p>(4) Construction start..... <span style="float: right;">1-91</span>  <span style="float: right;">(month and year)</span></p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>			(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( 300 )	(b) All Other Design Costs.....	( 245 )	(c) Total.....	545	(d) Contract.....	( 455 )	(e) In-house.....	( 90 )
(a) Date Design Started.....	11-88																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	5-89																							
(d) Date Design Complete.....	1-90																							
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	<u>N/A</u>																							
(a) Production of Plans and Specifications.....	( 300 )																							
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(c) Total.....	545																							
(d) Contract.....	( 455 )																							
(e) In-house.....	( 90 )																							

1. COMPONENT <b>NAVY</b>		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA</b>				4. PROJECT TITLE <b>MESS HALL</b>		
5. PROGRAM ELEMENT <b>0206496M</b>		6. CATEGORY CODE <b>722.10</b>	7. PROJECT NUMBER <b>P-977</b>		8. PROJECT COST (\$000) <b>3,600</b>	
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
MESS HALL. . . . .		SF	17,200	158.00	2,720	
SUPPORTING FACILITIES. . . . .		-	-	-	530	
UTILITIES. . . . .		LS	-	-	( 140)	
PAVING AND SITE IMPROVEMENT, DEMOLITION. . . . .		LS	-	-	( 390)	
SUBTOTAL. . . . .		-	-	-	3,250	
CONTINGENCY (5%). . . . .		-	-	-	160	
TOTAL CONTRACT COST. . . . .		-	-	-	3,410	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .		-	-	-	190	
TOTAL REQUEST. . . . .		-	-	-	3,600	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0)	
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>						
<p>One-story reinforced concrete and masonry building, concrete foundation and floor, built-up roofing, concrete loading dock, separate outdoor storage facility, electronic monitored energy system, fire protection system, utilities; demolition of two buildings, removal of underground fuel tanks, contaminated soil and asbestos.</p>						
<p><b>11. REQUIREMENT:</b> 17,200 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.  <b>PROJECT:</b> Constructs mess hall. (Current mission.)  <b>REQUIREMENT:</b> Adequate and modern mess hall facility for the headquarters area Camp Pendleton which supports 3,500 Marines and needs the capability to feed 1,440 during each meal period.  <b>CURRENT SITUATION:</b> Messing in the headquarters area utilizes an inadequate 45-year old wooden building which has exceeded its useful life. The building requires extensive manpower to maintain and is not economically feasible to modernize. The messing requirement has grown in the headquarters area because of consolidation and assignment of new units.  <b>IMPACT IF NOT PROVIDED:</b> Long-phased meal hours, which are very disruptive to normal work routines and reduce productivity, will be necessary. A single mess hall with the capacity of the existing inadequate facility cannot maintain a prolonged intensive feeding program. Busing Marines to adjacent areas at Camp Pendleton would have to be implemented. This would increase time away from work and time to feed and reduce time to eat. It would also obligate men and equipment to an avoidable expensive administrative bus service while removing them from military oriented training and job functions.  <div style="text-align: right;">(Continued on DD 1391c)</div> </p>						

1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
MESS HALL		P-977	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... <u>11-88</u>			
(b) Percent Complete as of January 1990..... <u>100</u>			
(c) Date Design 35% Complete..... <u>5-89</u>			
(d) Date Design Complete..... <u>1-90</u>			
(2) Basis:			
(a) Standard or Definitive Design: Yes <u>    </u> No <u>X</u>			
(b) Where Design Was Most Recently Used: <u>N/A</u>			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( <u>195</u> )			
(b) All Other Design Costs..... ( <u>205</u> )			
(c) Total..... <u>400</u>			
(d) Contract..... ( <u>350</u> )			
(e) In-house..... ( <u>50</u> )			
(4) Construction start..... <u>11-90</u>			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA			4. PROJECT TITLE MILITARY OPERATIONS IN URBANIZED TERRAIN		
5. PROGRAM ELEMENT  0206496M	6. CATEGORY CODE  179.45	7. PROJECT NUMBER  P-996	8. PROJECT COST (\$000)  15,500		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
MILITARY OPERATIONS IN URBANIZED TERRAIN . .	LS	-	-	13,420	
TRAINING MOCK-UPS. . . . .	SF	141,300	95.00	(13,420)	
SUPPORTING FACILITIES. . . . .	-	-	-	570	
UTILITIES. . . . .	LS	-	-	( 150)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 420)	
SUBTOTAL . . . . .	-	-	-	13,990	
CONTINGENCY (5%) . . . . .	-	-	-	700	
TOTAL CONTRACT COST. . . . .	-	-	-	14,690	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	810	
TOTAL REQUEST. . . . .	-	-	-	15,500	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)	-	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Construct combat training complex, 16 in-tact and 16 rubble concrete and masonry buildings, paving, bridges, land and street-scape elements, staging area, access road, helicopter landing pad, utilities.					
11. REQUIREMENT: <u>As Required.</u>					
<u>PROJECT:</u> Constructs a Company Team Exercise, Battalion Task Force Training Facility for training in urban warfare. (Current mission.)					
<u>REQUIREMENT:</u> An adequate Military Operations in Urban Terrain (MOUT) facility to develop and maintain a proficiency in urban guerrilla warfare and terrorist activities. Mastery of MOUT is deemed critical to success on the modern battlefield, and has been an integral element of Marine Corps doctrine since the second world war. Widespread urban sprawl throughout potential areas of conflict makes combat in built-up areas unavoidable. In many cases tactical and sometimes strategic advantage will result by gaining control of urban areas. This facility will support approximately 40,000 personnel from the Marine Corps Base and other off-base military and civilian organizations.					
<u>CURRENT SITUATION:</u> This activity maintains two urbanized training facilities. One of these combat towns is a 25-year old, wood-frame structure that provides training in combat in built-up areas, evacuation missions, raid operation, anti-terrorist training, and is the only facility of its kind in the central and northern areas of Camp Pendleton. Decay,					
(Continued on DD 1391c)					

1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
3. INSTALLATION AND LOCATION <b>MARINE CORPS BASE, CAMP PENDLETON, CALIFORNIA</b>		
4. PROJECT TITLE <b>MILITARY OPERATIONS IN URBANIZED TERRAIN</b>	5. PROJECT NUMBER <b>P-996</b>	
<p>11. REQUIREMENT: (Continued)  <u>CURRENT SITUATION:</u> (Continued)  aging, weathering, and heavy use have taken their toll on this facility, complicating its safe use. The other combat town is of permanent construction, and its design and limited size restricts its use to small unit training. These facilities are used continuously and scheduling requires a long-lead time.  <u>IMPACT IF NOT PROVIDED:</u> Large unit training in urban guerrilla warfare and counter-insurgency operations cannot be conducted. Continued use of existing inadequate and overtaxed facilities will severely impact on the effectiveness of operating forces and basic survival of troops in combat.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> (1) Status:  (a) Date Design Started..... 12-88  (b) Percent Complete as of January 1990..... 85  (c) Date Design 35% Complete..... 7-89  (d) Date Design Complete..... 6-90 </div> <div style="margin-left: 80px;"> (2) Basis:  (a) Standard or Definitive Design: Yes _____ No <u>X</u>  (b) Where Design Was Most Recently Used: <u>N/A</u> </div> <div style="margin-left: 80px;"> (3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)  (a) Production of Plans and Specifications..... ( 700 )  (b) All Other Design Costs..... ( 680 )  (c) Total..... 1380  (d) Contract..... ( 1250 )  (e) In-house..... ( 130 ) </div> <div style="margin-left: 80px;"> (4) Construction start..... 1-91  <div style="text-align: right;">(month and year)</div> </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION NAVAL HOSPITAL, CAMP PENDLETON, CALIFORNIA					4. COMMAND NAVAL MEDICAL COMMAND			5. AREA CONSTR. COST INDEX 1.12		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	262	574	423	2	1	0	0	0	0	1262
b. END FY 1994	263	536	423	2	1	0	0	0	0	1225
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 187 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 21,960										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 2,820										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 1,050										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 2,000										
g. REMAINING DEFICIENCY . . . . . 2,700										
h. GRAND TOTAL . . . . . 30,530										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
310.25	ENV HLTH & IND HYGIENE FAC				6,900 SF	1,050	02/89	01/90		
	TOTAL					1,050				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS:										
721.11	BACHELOR ENLISTED QUARTERS				LS	2,000				
10. MISSION OR MAJOR FUNCTIONS:										
Provide general clinical hospitalization for active duty Navy and Marine Corps personnel, active duty members of the other armed services, dependents of active duty personnel, and other authorized persons as outlined in current directives. To cooperate with military and civil authorities in matters pertaining to health, sanitation, local disasters, and other emergencies.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL HOSPITAL, CAMP PENDLETON, CALIFORNIA</b>			4. PROJECT TITLE <b>ENVIRONMENTAL HEALTH AND INDUSTRIAL HYGIENE FACILITY</b>			
5. PROGRAM ELEMENT <b>0807796N</b>		6. CATEGORY CODE <b>310.25</b>	7. PROJECT NUMBER <b>P-427</b>	8. PROJECT COST (\$000) <b>1.050</b>		
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
ENVIRONMENTAL HEALTH & INDUST HYGIENE FAC. .		SF	6,900	129.00	890	
SUPPORTING FACILITIES. . . . .		-	-	-	60	
UTILITIES, PAVING AND SITE IMPROVEMENT . .		LS	-	-	( 60)	
SUBTOTAL . . . . .		-	-	-	950	
CONTINGENCY (5%) . . . . .		-	-	-	50	
TOTAL CONTRACT COST. . . . .		-	-	-	1,000	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) .		-	-	-	50	
TOTAL REQUEST. . . . .		-	-	-	1,050	
EQUIPEMNT PROVIDED FROM OTHER APPROPRIATIONS				(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
One-story steel frame building addition, concrete foundation and floor, pre-cast concrete panel walls, built-up roof, fire protection system, air conditioning, utilities.						
11. REQUIREMENT: <u>6,900</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>0</u> SF. PROJECT: Constructs an industrial hygiene and environmental health facility. (Current mission.) REQUIREMENT: Adequate preventive health care facilities for environmental health and industrial hygiene for active duty military personnel and civilian employees at the Marine Corps Base. Increased workload will occur because of OSH protection standards for asbestos surveillance which increases annual pulmonary examinations. Other medical surveillance programs include noise (hearing loss), welding hazards, hydrocarbons and abrasive dust. The project is necessary for operations of the Joint Coordinated Preventive Medicine Service. CURRENT SITUATION: Preventive health care is being provided to active duty military and civilian employees in old, fragmented, overcrowded facilities many of which have safety code violations. The fragmented locations require additional personnel, resources and equipment to support the necessary duplication of programs. IMPACT IF NOT PROVIDED: Provision of preventive health care will continue to be fragmented in multiple buildings which are overcrowded, inadequate, and costly to maintain. The productivity of personnel will be diminished. (Continued on DD 1391c)						



1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
3. INSTALLATION AND LOCATION <b>NAVAL HOSPITAL, CAMP PENDLETON, CALIFORNIA</b>		
4. PROJECT TITLE <b>ENVIRONMENTAL HEALTH AND INDUSTRIAL HYGIENE FACILITY</b>	5. PROJECT NUMBER <b>P-427</b>	

12. SUPPLEMENTAL DATA:

a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a) Date Design Started.....	2-89
(b) Percent Complete as of January 1990.....	100
(c) Date Design 35% Complete.....	7-89
(d) Date Design Complete.....	1-90

(2) Basis:

(a) Standard or Definitive Design:	Yes _____ No <u>X</u>
(b) Where Design Was Most Recently Used:	<u>N/A</u>

(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)

(a) Production of Plans and Specifications.....	( <u>55</u> )
(b) All Other Design Costs.....	( <u>80</u> )
(c) Total.....	<u>135</u>
(d) Contract.....	( <u>115</u> )
(e) In-house.....	( <u>20</u> )

(4) Construction start..... 10-90  
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA				4. COMMAND SPACE AND NAVAL WARFARE SYSTEMS COMMAND		5. AREA CONSTR. COST INDEX 1.25				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 08/30/88	106	811	4972	0	0	0	0	0	1000	6889
b. END FY 1994	110	850	5159	0	0	0	3	48	1200	7370
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE (1,127,265)										
b. INVENTORY TOTAL AS OF 30 SEP 88 284,110										
c. AUTHORIZATION NOT YET IN INVENTORY 14,590										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 17,500										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 16,000										
f. PLANNED IN NEXT THREE PROGRAM YEARS 7,100										
g. REMAINING DEFICIENCY 6,560										
h. GRAND TOTAL 345,860										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
311.25	ADVANCED WEAPONS LAB				84,480 SF	17,500	12/88	06/90		
	TOTAL					17,500				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
317.15	INTEG NAV AIR DEF SYS FAC				42,800 SF	16,000				
	TOTAL					16,000				
B. MAJOR PLANNED NEXT THREE YEARS:										
317.20	ELEC & ELECTRONICS SYS LAB				31,600 SF	7,100				
10. MISSION OR MAJOR FUNCTIONS:										
Principal Navy ROT&E center for air warfare and missile weapons systems. Maintains the primary in-house research and development capability for systems, subsystems and technologies included but not limited to strike aircraft/weapons systems and concept development; air launched weapons and associated avionics systems including aircraft guns and ammunition, guided and unguided weapons, aircraft weapons control and aircraft/weapons interface, tactical missiles; subsystems for weapons systems which include propulsion, guidance and control, warheads, fuel and launchers; strike warfare countermeasures; weather modification; and parachute test and evaluation.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 1,900										
B: INSTALLATION RESTORATION 30,830										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA			4. PROJECT TITLE ADVANCED WEAPONS LABORATORY		
5. PROGRAM ELEMENT 0605896N	6. CATEGORY CODE 311.25	7. PROJECT NUMBER P-431	8. PROJECT COST (\$000) 17,500		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
ADVANCED WEAPONS LABORATORY. . . . .	SF	84,480	-	12,270	
BUILDING . . . . .	SF	84,480	99.00	( 8,360)	
SHELTERS . . . . .	LS	-	-	( 400)	
TAXIWAYS AND APRONS. . . . .	LS	-	-	( 2,240)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 1,270)	
SUPPORTING FACILITIES. . . . .	-	-	-	3,530	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 350)	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 1,700)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 1,240)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 240)	
SUBTOTAL . . . . .	-	-	-	15,800	
CONTINGENCY (5%) . . . . .	-	-	-	790	
TOTAL CONTRACT COST. . . . .	-	-	-	16,590	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	910	
TOTAL REQUEST. . . . .	-	-	-	17,500	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(26,840)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Two-story hangar building, insulated metal siding, reinforced concrete floors and foundations, insulated steel roof deck with built-up roofing, elevated sensor tower, fire protection and security systems, utilities, air conditioning; taxiways and aprons; shelters.					
11. REQUIREMENT: 84,480 SF. ADEQUATE: 0 SF. SUBSTANDARD 0 SF. PROJECT: Provides secure facilities for test and evaluation (T&E) of tactical aircraft, test platforms, and associated classified equipment under compartmented, special access conditions. (New mission.) REQUIREMENT: Adequate and properly-configured facilities for technical and administrative support for special secure programs needing vaulted work spaces, laboratories, hangar, and shops in a secure TEMPEST shielded environment for continuing hardware and software life-cycle support. CURRENT SITUATION: No secure facilities exist which are capable of providing the necessary workspaces for development, integration, and test of weapon systems with highly classified and sight sensitive equipment configurations. Use of existing facilities would compromise the weapon systems and equipment involved and reduce or eliminate their effectiveness when employed in combat. IMPACT IF NOT PROVIDED: Navy will not have adequate, secure test facilities for classified equipment and systems test and evaluation before introduction into the fleet. The result will be a weapon system which has not fully matured and will have numerous technical problems during the first (Continued on DD 1391c)					

1. COMPONENT <b>NAVY</b>	<b>FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE																																						
3. INSTALLATION AND LOCATION <b>NAVAL WEAPONS CENTER, CHINA LAKE, CALIFORNIA</b>																																								
4. PROJECT TITLE <b>ADVANCED WEAPONS LABORATORY</b>	5. PROJECT NUMBER <b>P-431</b>																																							
<p>11. REQUIREMENT: (Continued)  <b>IMPACT IF NOT PROVIDED: (Continued)</b>          deployments, possibly jeopardizing both the pilot and the aircraft.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <table style="margin-left: 20px;"> <tr><td>(a) Date Design Started.....</td><td style="text-align: right;"><u>12-88</u></td></tr> <tr><td>(b) Percent Complete as of January 1990.....</td><td style="text-align: right;"><u>50</u></td></tr> <tr><td>(c) Date Design 35% Complete.....</td><td style="text-align: right;"><u>7-89</u></td></tr> <tr><td>(d) Date Design Complete.....</td><td style="text-align: right;"><u>6-90</u></td></tr> </table> <p>(2) Basis:</p> <table style="margin-left: 20px;"> <tr><td>(a) Standard or Definitive Design:</td><td style="text-align: right;">Yes _____ No <u>X</u></td></tr> <tr><td>(b) Where Design Was Most Recently Used:</td><td style="text-align: right;"><u>N/A</u></td></tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="margin-left: 20px;"> <tr><td>(a) Production of Plans and Specifications.....</td><td style="text-align: right;">(<u>900</u>)</td></tr> <tr><td>(b) All Other Design Costs.....</td><td style="text-align: right;">(<u>600</u>)</td></tr> <tr><td>(c) Total.....</td><td style="text-align: right;"><u>1500</u></td></tr> <tr><td>(d) Contract.....</td><td style="text-align: right;">(<u>1450</u>)</td></tr> <tr><td>(e) In-house.....</td><td style="text-align: right;">(<u>50</u>)</td></tr> </table> <p>(4) Construction start..... <u>12-90</u>  <span style="margin-left: 150px;">(month and year)</span></p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="margin-left: 80px; width: 100%;"> <thead> <tr> <th style="text-align: left;">Equipment Nomenclature</th> <th style="text-align: left;">Procuring Appropriation</th> <th style="text-align: left;">Fiscal Year Appropriated or Requested</th> <th style="text-align: right;">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Software Development Computer System Integration/Validation/ Simulation Facility for Avionics, Weapons, Target and Cockpit</td> <td>APN</td> <td>1990-91</td> <td style="text-align: right;">23,240</td> </tr> <tr> <td>Data Analysis Equipment</td> <td>APN</td> <td>1991</td> <td style="text-align: right;"><u>3,600</u></td> </tr> <tr> <td colspan="3" style="text-align: right;">TOTAL</td> <td style="text-align: right;">26,840</td> </tr> </tbody> </table> </div>			(a) Date Design Started.....	<u>12-88</u>	(b) Percent Complete as of January 1990.....	<u>50</u>	(c) Date Design 35% Complete.....	<u>7-89</u>	(d) Date Design Complete.....	<u>6-90</u>	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( <u>900</u> )	(b) All Other Design Costs.....	( <u>600</u> )	(c) Total.....	<u>1500</u>	(d) Contract.....	( <u>1450</u> )	(e) In-house.....	( <u>50</u> )	Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	Software Development Computer System Integration/Validation/ Simulation Facility for Avionics, Weapons, Target and Cockpit	APN	1990-91	23,240	Data Analysis Equipment	APN	1991	<u>3,600</u>	TOTAL			26,840
(a) Date Design Started.....	<u>12-88</u>																																							
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Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)																																					
Software Development Computer System Integration/Validation/ Simulation Facility for Avionics, Weapons, Target and Cockpit	APN	1990-91	23,240																																					
Data Analysis Equipment	APN	1991	<u>3,600</u>																																					
TOTAL			26,840																																					

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, CONCORD, CALIFORNIA			4. COMMAND NAVAL SEA SYSTEMS COMMAND			5. AREA CONSTR. COST INDEX 1 07				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 08/30/88	153	2488	1127	0	0	0	0	0	0	3778
b. END FY 1994	152	2528	1211	0	0	0	0	0	0	3892
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 13,024 )										
b. INVENTORY TOTAL AS OF 30 SEP 88							\$3,540			
c. AUTHORIZATION NOT YET IN INVENTORY							6,070			
d. AUTHORIZATION REQUESTED IN THIS PROGRAM							16,500			
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM							1,250			
f. PLANNED IN NEXT THREE PROGRAM YEARS							28,350			
g. REMAINING DEFICIENCY							33,210			
h. GRAND TOTAL							178,920			
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS				
212.10	ADVANCE WEAPONS FAC			21,290 SF	6,500	11/88	01/90			
860.30	RR & VECH BRDGES & LND ACC			LS	10,000	03/89	08/90			
	TOTAL				16,500					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
316.10	STANDARD ISL TEST CELL			LS	1,250					
	TOTAL				1,250					
B. MAJOR PLANNED NEXT THREE YEARS:										
212.10	GUIDED MISSILE INTEG FAC			26,500 SF	10,900					
212.10	MISSILE MAGAZINE			LS	2,250					
212.30	AIR LAUNCH IMA FACILITY			LS	5,800					
316.10	TOMAHAWK TEST CELL			LS	2,250					
10. MISSION OR MAJOR FUNCTIONS:										
Maintenance and quality evaluation engineering of missiles and other military explosives Storage and transshipment of ordnance. Maintenance and testing of ordnance handling and shipping equipments Design, development and procurement of ordnance test systems. Support homeported ammunition ships.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT					80					
B: INSTALLATION RESTORATION					74,000					
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):					0					

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, CONCORD, CALIFORNIA				4. PROJECT TITLE ADVANCED WEAPONS FACILITY		
5. PROGRAM ELEMENT 0702096N		6. CATEGORY CODE 212.10	7. PROJECT NUMBER P-284		8. PROJECT COST (\$000) 6,500	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
ADVANCED WEAPONS FACILITY. . . . .		SF	21,290	-	5,230	
BUILDING . . . . .		SF	12,290	257.00	(3,160)	
MISSILE MAGAZINE . . . . .		SF	9,000	162.00	(1,460)	
PLATFORMS. . . . .		LS	-	-	( 200)	
BUILT-IN EQUIPMENT . . . . .		LS	-	-	( 410)	
SUPPORTING FACILITIES. . . . .		-	-	-	640	
ELECTRICAL UTILITIES . . . . .		LS	-	-	( 260)	
MECHANICAL UTILITIES . . . . .		LS	-	-	( 120)	
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 260)	
SUBTOTAL . . . . .		-	-	-	5,870	
CONTINGENCY (5%) . . . . .		-	-	-	290	
TOTAL CONTRACT COST. . . . .		-	-	-	6,160	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .		-	-	-	340	
TOTAL REQUEST. . . . .		-	-	-	6,500	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
One-story reinforced concrete and masonry building, concrete footings and floor, built-up roof, one test cell; bridge crane; one earth-covered reinforced concrete missile storage magazine, loading platform; access roads; fire protection systems, ventilation, utilities.						
11. REQUIREMENT: 21,290 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF. PROJECT: Constructs one magazine and a test facility in support of classified weapons systems. (New mission.) REQUIREMENT: The General Accounting Office report of 23 July 1983 made the point that the lack of suitable test resource planning, organization structure, management emphasis and intelligence support could seriously degrade the services' ability to test the actual performance capabilities of current and emerging systems. Department of Defense and Navy have placed greater emphasis on development of increasingly sophisticated and classified weapons systems. These developments require a corresponding expansion of test and storage facilities to assure readiness for introduction of the systems into the fleet. These facilities must meet unique operational, security and safety requirements which are not currently available. CURRENT SITUATION: There are no existing facilities available to provide all the specialized features necessary to meet the criteria and standards needed to perform development and operational test and evaluation reviews.						
(Continued on DD 1391c)						

1. COMPONENT <b>NAVY</b>	2. DATE <b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>																							
3. INSTALLATION AND LOCATION <b>NAVAL WEAPONS STATION, CONCORD, CALIFORNIA</b>																								
4. PROJECT TITLE <b>ADVANCED WEAPONS FACILITY</b>	5. PROJECT NUMBER <b>P-284</b>																							
<p><b>11. REQUIREMENT: (Continued)</b>  <b>IMPACT IF NOT PROVIDED:</b> The Navy will not have adequate test and storage facilities available to introduce newly developed classified weapons and systems to the fleet. Use of existing facilities will not insure classified weapons survivability against enemy threats.</p> <p><b>12. SUPPLEMENTAL DATA:</b></p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">11-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">5-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">1-90</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e):</p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 500 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 380 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">880</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 840 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 40 )</td> </tr> </table> <p>(4) Construction start.....</p> <div style="text-align: right;"> <p>1-91</p> <p>(month and year)</p> </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>			(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	( 500 )	(b) All Other Design Costs.....	( 380 )	(c) Total.....	880	(d) Contract.....	( 840 )	(e) In-house.....	( 40 )
(a) Date Design Started.....	11-88																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	5-89																							
(d) Date Design Complete.....	1-90																							
(a) Standard or Definitive Design:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>																							
(b) Where Design Was Most Recently Used:	N/A																							
(a) Production of Plans and Specifications.....	( 500 )																							
(b) All Other Design Costs.....	( 380 )																							
(c) Total.....	880																							
(d) Contract.....	( 840 )																							
(e) In-house.....	( 40 )																							

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, CONCORD, CALIFORNIA			4. PROJECT TITLE RAILROAD AND VEHICULAR BRIDGES AND LAND ACQUISITION		
5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 860.30	7. PROJECT NUMBER P-292	8. PROJECT COST (\$000) 10,000		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
RAILROAD & VEHICULAR BRIDGES & LAND ACQ. . .	LS	-	-	5,790	
RAILROAD BRIDGE. . . . .	SF	21,000	225.00	( 4,730)	
VEHICULAR BRIDGE . . . . .	SF	11,900	60.00	( 720)	
SUPPORT BUILDINGS. . . . .	LS	-	-	( 150)	
LAND ACQUISITION . . . . .	LS	-	-	( 190)	
SUPPORTING FACILITIES. . . . .	-	-	-	3,240	
UTILITIES RELOCATION . . . . .	LS	-	-	( 300)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 2,940)	
SUBTOTAL . . . . .	-	-	-	9,030	
CONTINGENCY (5%) . . . . .	-	-	-	450	
TOTAL CONTRACT COST. . . . .	-	-	-	9,480	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	520	
TOTAL REQUEST. . . . .	-	-	-	10,000	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Reinforced concrete and steel railroad and vehicular bridges, earthen access ramps, reinforced concrete retaining wall; railroad relocation; utilities relocation; pass building relocation; concrete block guardhouse; signalized traffic intersection; paving and pavement striping; acquires interests in approximately two acres of land.					
11. REQUIREMENT: <u>As Required.</u>					
PROJECT: Provides Navy-owned railroad and vehicular bridges across a public highway to insure uninterrupted movement of explosives between inland and tidal areas during crises or wartime conditions, to meet all loading commitments without chance of disruption by anti-military groups, eliminate traffic conflicts between the general public and Navy shipments, and prevent demonstrators from blocking shipments of ordnance materials. (Current mission.)					
REQUIREMENT: Eliminate protestors and demonstrators blockading ordnance shipments occurring between the inland production, maintenance, and storage area and the tidal receiving, segregation, and waterfront loading facilities. Increase safety and security for ordnance transshipment by eliminating blockades and interference with general public traffic. Provide Navy vehicle operators and security personnel best physical isolation and vantage point relative to demonstrator activities and general public traffic. Improve efficiency and effectiveness of transshipping explosives. Impose least negative impacts on nearby communities by Navy.					
(Continued on DD 1391c)					



1. COMPONENT	2. DATE									
NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA									
3. INSTALLATION AND LOCATION										
NAVAL WEAPONS STATION, CONCORD, CALIFORNIA										
4. PROJECT TITLE		5. PROJECT NUMBER								
RAILROAD AND VEHICULAR BRIDGES AND LAND ACQUISITION		P-292								
<p>11. REQUIREMENT: (Continued)</p> <p><b>CURRENT SITUATION:</b> Inland and tidal areas are separated by a public roadway which is a site of continuous demonstrator activity including ordnance shipment blockading. The public roadway is also experiencing rapidly increased general public usage because of rapid population growth. Navy is spending at rate of \$1 million plus per year and local law enforcement agencies are spending at rate of \$0.5 million plus per year to counteract unsafe and counterproductive demonstrator blockading of Navy trains and truck shipments across a public highway. Potential for a significant accident is extremely high. Potential for demonstrators leaving site in the foreseeable future is remote. Rapid population growth in the area and burgeoning general public traffic volume adds to public highway crossing hazard.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Continued and likely increasing expenditure of Federal and local taxpayer dollars to counteract demonstrators' blockades. High risk of a major accident involving demonstrators or the general public.</p> <p><b>ADDITIONAL:</b> Two other alternatives for this project were evaluated. Their lowest costs were \$7.8 million and \$5.6 million for the public highway to underpass or overpass Navy railroad and vehicular route respectively. Both alternatives had significant negative environmental impacts upon local traffic circulation, local non-Navy residents, and local non-Navy commercial and light industrial businesses. The negative environmental impacts involved negative visual impacts, noise pollution, and increased traffic on residential streets. The lowest cost alternative, which involved the public roadway overpassing existing Navy owned railroad trackage, failed to satisfy scrutiny relative to providing safety and security for Navy ordnance shipments. Attempting to appropriately mitigate the significant impacts of the two unchosen alternatives would raise their costs to an estimated \$10 million and \$8 million total respectively, remove the design and construction of the project from Navy control thereby likely increasing the length of time to complete the project and raising operations cost, potentially never survive the environmental review process as indicated by the County Traffic Engineers for safe and secure transport of ordnance as well as the chosen alternative.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table> <tr> <td>(a) Date Design Started.....</td> <td>3-89</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>35</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>11-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>8-90</td> </tr> </table> <p>(Continued on DD 1391c)</p>			(a) Date Design Started.....	3-89	(b) Percent Complete as of January 1990.....	35	(c) Date Design 35% Complete.....	11-89	(d) Date Design Complete.....	8-90
(a) Date Design Started.....	3-89									
(b) Percent Complete as of January 1990.....	35									
(c) Date Design 35% Complete.....	11-89									
(d) Date Design Complete.....	8-90									

1. COMPONENT		2. DATE	
NAVY		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL WEAPONS STATION, CONCORD, CALIFORNIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
RAILROAD AND VEHICULAR BRIDGES AND LAND ACQUISITION		P-292	
12. SUPPLEMENTAL DATA: (Continued)			
(2) Basis:			
(a) Standard or Definitive Design:		Yes _____ No <u>X</u>	
(b) Where Design Was Most Recently Used:		<u>N/A</u>	
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications.....		<u>600</u>	
(b) All Other Design Costs.....		<u>400</u>	
(c) Total.....		<u>1000</u>	
(d) Contract.....		<u>960</u>	
(e) In-house.....		<u>40</u>	
(4) Construction start..... <u>1-91</u>			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM	2. DATE														
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA		4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET														
5. AREA CONSTR. COST INDEX 1.21																
6. PERSONNEL STRENGTH	PERMANENT									STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN				
a. AS OF 09/30/88	537	3243	190	115	679	0	78	1276	0				6118			
b. END FY 1994	591	3393	213	196	1207	0	101	2134	0				7835			
7. INVENTORY DATA (\$000)																
a. TOTAL ACREAGE ( 1,065)																
b. INVENTORY TOTAL AS OF 30 SEP 88 57,190																
c. AUTHORIZATION NOT YET IN INVENTORY 21,120																
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 19,800																
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 13,600																
f. PLANNED IN NEXT THREE PROGRAM YEARS 10,100																
g. REMAINING DEFICIENCY 85,350																
h. GRAND TOTAL 207,160																
8. PROJECTS REQUESTED IN THIS PROGRAM:																
CATEGORY CODE	PROJECT TITLE					SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE								
171.20	DESERT OPERATIONS FACILITY					38,120 SF	6,000	11/88	01/90							
171.20	MARITIME TRNG FACILITY					15,000 SF	2,200	11/88	01/90							
213.30	WATERFRONT MAINT & OPS FAC					60,910 SF	8,400	11/88	01/90							
610.10	AMPHIB OPERATIONS FACILITY					16,400 SF	3,200	11/88	01/90							
	TOTAL						19,800									
9. FUTURE PROJECTS:																
A. INCLUDED IN FOLLOWING PROGRAM																
179.50	SPEC WAR SHOOT CX(MIRAMAR)					LS	4,500									
211.05	LCAC CPX(CP PEND #3)					LS	9,100									
	TOTAL						13,600									
B. MAJOR PLANNED NEXT THREE YEARS:																
171.20	AMPHIBIOUS WAR TACT TRNG					LS	2,300									
159.64	WATERFRONT OPS BLDG					114,440 SF	7,800									
10. MISSION OR MAJOR FUNCTIONS:																
Provides logistic support for commands of the surface forces, amphibious warfare forces, and training commands at Coronado.																
<div style="display: flex; justify-content: space-between;"> <div> Commander Surface Forces, US Pacific Fleet  Commander Amphibious Training Command, Pacific  Amphibious Construction Battalion  Underwater Demolition Teams </div> <div> Landing Ship Flotilla  Amphibious School  SEAL Teams  Beach Groups and Units </div> </div>																
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)																
A: POLLUTION ABATEMENT 320																
B: INSTALLATION RESTORATION 30																
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0																

1. COMPONENT <b>NAVY</b>		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA</b>			4. PROJECT TITLE <b>AMPHIBIOUS OPERATIONS FACILITY</b>			
5. PROGRAM ELEMENT <b>0204796N</b>		6. CATEGORY CODE <b>610.10</b>	7. PROJECT NUMBER <b>P-142</b>		8. PROJECT COST (\$000) <b>3,200</b>	
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
AMPHIBIOUS OPERATIONS FACILITY . . . . .		SF	16,400	110.00	1,800	
SUPPORTING FACILITIES. . . . .		-	-	-	1,090	
SPECIAL CONSTRUCTION FEATURES. . . . .		LS	-	-	( 80)	
UTILITIES. . . . .		LS	-	-	( 190)	
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 500)	
DEMOLITION . . . . .		LS	-	-	( 320)	
SUBTOTAL . . . . .		-	-	-	2,890	
CONTINGENCY (5%) . . . . .		-	-	-	140	
TOTAL CONTRACT COST. . . . .		-	-	-	3,030	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .		-	-	-	170	
TOTAL REQUEST. . . . .		-	-	-	3,200	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	- (NON-ADD)		( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION  Three-story steel frame building, masonry walls, pile foundation, concrete floors, built-up roof over concrete on metal decking, utilities, fire protection system, ventilation and air conditioning, hazardous waste mitigation; demolition of six buildings.  11. REQUIREMENT: 47,390 SF. ADEQUATE: 30,990 SF. SUBSTANDARD: 0 SF. PROJECT: Constructs an operations facility for Amphibious Construction Battalion ONE (PHIBCB ONE). (Current mission.) REQUIREMENT: Adequate operational headquarters space for PHIBCB ONE to accommodate command and administrative mission functions. CURRENT SITUATION: PHIBCB ONE currently occupies structures built in 1944 for temporary use. These facilities do not conform to any safety, building, OSHA, or fire code. Existing facilities do not support the mission of the activity and occupy space needed for construction of future projects. IMPACT IF NOT PROVIDED: Continued use of inadequate and unsafe facilities. Proposed base development will be delayed.						

(Continued on DD 1391c)

1. COMPONENT <b>NAVY</b>	<b>FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
3. INSTALLATION AND LOCATION <b>NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA</b>		
4. PROJECT TITLE <b>AMPHIBIOUS OPERATIONS FACILITY</b>	5. PROJECT NUMBER <b>P-142</b>	
<p><b>12. SUPPLEMENTAL DATA:</b></p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 40px;"> <p>(1) Status:</p> <p style="margin-left: 20px;">(a) Date Design Started..... <u>11-88</u></p> <p style="margin-left: 20px;">(b) Percent Complete as of January 1990..... <u>100</u></p> <p style="margin-left: 20px;">(c) Date Design 35% Complete..... <u>5-89</u></p> <p style="margin-left: 20px;">(d) Date Design Complete..... <u>1-90</u></p> </div> <div style="margin-left: 40px;"> <p>(2) Basis:</p> <p style="margin-left: 20px;">(a) Standard or Definitive Design:      Yes <u>      </u> No <u>X</u></p> <p style="margin-left: 20px;">(b) Where Design Was Most Recently Used:      <u>N/A</u></p> </div> <div style="margin-left: 40px;"> <p>(3) Total cost (c) = (a) + (b) or (d) + (e):      (\$000)</p> <p style="margin-left: 20px;">(a) Production of Plans and Specifications..... ( <u>140</u> )</p> <p style="margin-left: 20px;">(b) All Other Design Costs..... ( <u>280</u> )</p> <p style="margin-left: 20px;">(c) Total..... <u>420</u></p> <p style="margin-left: 20px;">(d) Contract..... ( <u>370</u> )</p> <p style="margin-left: 20px;">(e) In-house..... ( <u>50</u> )</p> </div> <div style="margin-left: 40px;"> <p>(4) Construction start..... <u>12-90</u></p> <p style="margin-left: 100px;">(month and year)</p> </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT <b>NAVY</b>		FY 1991 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA</b>			4. PROJECT TITLE <b>DESERT OPERATIONS FACILITY</b>		
5. PROGRAM ELEMENT <b>0204796N</b>	6. CATEGORY CODE <b>171.20</b>	7. PROJECT NUMBER <b>P-179</b>	8. PROJECT COST (\$000) <b>6,000</b>		
<b>9. COST ESTIMATES</b>					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
DESERT OPERATIONS FACILITY . . . . .	SF	38,120	-	4,400	
BUILDING . . . . .	SF	38,120	105.00	(4,000)	
HELICOPTER PADS. . . . .	SY	2,200	114.00	(250)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	(150)	
SUPPORTING FACILITIES. . . . .	-	-	-	1,020	
ELECTRICAL UTILITIES . . . . .	LS	-	-	(250)	
MECHANICAL UTILITIES . . . . .	LS	-	-	(280)	
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	(490)	
SUBTOTAL . . . . .	-	-	-	5,420	
CONTINGENCY (5%) . . . . .	-	-	-	270	
TOTAL CONTRACT COST. . . . .	-	-	-	5,690	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) .	-	-	-	310	
TOTAL REQUEST. . . . .	-	-	-	6,000	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)		(0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Three-story reinforced concrete frame building, masonry walls, concrete foundation and floors, built-up roof, utilities, septic tank, fire protection system, ventilation, diesel engine generator; two helicopter pads; demolition of one building.					
11. REQUIREMENT: 38,120 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.					
PROJECT: Provides a desert training and berthing facility for 120 personnel assigned to Naval Special Desert Warfare Training in Niland, California. (New mission.)					
REQUIREMENT: Adequate facilities to support Naval Amphibious Base Coronado's mission to provide facilities for the Naval Special Warfare Forces, in direct support of the Department of Defense initiative to accelerate, develop, and broaden special warfare operational capabilities.					
CURRENT SITUATION: Naval Special Warfare Group One's present training camp area is no longer adequate in size to support the present and projected numbers of platoons assigned. The existing camp does not conform with local land use regulations.					
IMPACT IF NOT PROVIDED: The existing camp could be disestablished because of land use violations. Special warfare forces would have no available adequate training site, adversely affecting the overall mission capability of the Special Operating Forces.					
(Continued on DD 1391c)					

1. COMPONENT NAVY	2. DATE FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA	
4. PROJECT TITLE DESERT OPERATIONS FACILITY	5. PROJECT NUMBER P-179
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... 11-83</p> <p>(b) Percent Complete as of January 1990..... 100</p> <p>(c) Date Design 35% Complete..... 5-89</p> <p>(d) Date Design Complete..... 1-90</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( 310 )</p> <p>(b) All Other Design Costs..... ( 195 )</p> <p>(c) Total..... 505</p> <p>(d) Contract..... ( 475 )</p> <p>(e) In-house..... ( 30 )</p> <p>(4) Construction start..... 12-90 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>	

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA			4. PROJECT TITLE MARITIME TRAINING FACILITY		
5. PROGRAM ELEMENT 1100011N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-180	8. PROJECT COST (\$000) 2,200		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
MARITIME TRAINING FACILITY . . . . .	SF	15,000	-	1,650	
TRAINING BUILDING. . . . .	SF	10,000	120.00	(1,200)	
MAINTENANCE BUILDING . . . . .	SF	5,000	90.00	( 450)	
SUPPORTING FACILITIES. . . . .	-	-	-	330	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 50)	
UTILITIES. . . . .	LS	-	-	( 180)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 100)	
SUBTOTAL . . . . .	-	-	-	1,980	
CONTINGENCY (5%) . . . . .	-	-	-	100	
TOTAL CONTRACT COST. . . . .	-	-	-	2,080	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	120	
TOTAL REQUEST. . . . .	-	-	-	2,200	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One two-story training building, one one-story maintenance building, steel frame, concrete floors, masonry walls, pile foundations, fire protection systems, ventilation and air conditioning, utilities; open storage for three vehicles, two swimmer delivery vehicle trailers, two pieces of materials handling equipment, boat ramp; perimeter security.					
11. REQUIREMENT: <u>15,000</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>0</u> SF. PROJECT: Constructs a maritime training facility on San Clemente Island. (New mission.) REQUIREMENT: Adequate year-round facilities for training Naval Special Warfare Forces in land and underwater demolition, land warfare, hydrographic reconnaissance, communications, and seal delivery vehicle operations. CURRENT SITUATION: Facilities are not available on San Clemente Island to support this vital training. Limited training is now conducted at Coronado using already overcrowded facilities. Because of surf conditions, small boats must be launched in San Diego bay and transit the entire bay before arriving in the training area. IMPACT IF NOT PROVIDED: Continue to utilize current training procedures with facilities at Coronado, which limits training, adversely affecting the operational readiness of the Special Operating Forces.					
(Continued on DD 1391c)					



1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
MARITIME TRAINING FACILITY		P-180	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... 11-88			
(b) Percent Complete as of January 1990..... 100			
(c) Date Design 35% Complete..... 5-89			
(d) Date Design Complete..... 1-90			
(2) Basis:			
(a) Standard or Definitive Design: Yes _____ No <u>X</u>			
(b) Where Design Was Most Recently Used: <u>N/A</u>			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( 120 )			
(b) All Other Design Costs..... ( 100 )			
(c) Total..... 220			
(d) Contract..... ( 200 )			
(e) In-house..... ( 20 )			
(4) Construction start..... 1-91			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA				4. PROJECT TITLE WATERFRONT MAINTENANCE AND OPERATIONS FACILITY		
5. PROGRAM ELEMENT 0204796N		6. CATEGORY CODE 213.30		7. PROJECT NUMBER P-150		8. PROJECT COST (\$000) 8,400
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
WATERFRONT MAINTENANCE AND OPERATIONS FAC. .		SF	60,910	-	6,600	
MAINTENANCE BUILDING . . . . .		SF	44,910	108.00	(4,850)	
OPERATIONS BUILDING. . . . .		SF	16,000	109.00	(1,750)	
SUPPORTING FACILITIES. . . . .		-	-	-	980	
SPECIAL CONSTRUCTION FEATURES. . . . .		LS	-	-	( 180)	
UTILITIES. . . . .		LS	-	-	( 120)	
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 480)	
DEMOLITION . . . . .		LS	-	-	( 200)	
SUBTOTAL . . . . .		-	-	-	7,580	
CONTINGENCY (5%) . . . . .		-	-	-	380	
TOTAL CONTRACT COST. . . . .		-	-	-	7,960	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .		-	-	-	440	
TOTAL REQUEST. . . . .		-	-	-	8,400	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-(NON-ADD)		( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
One two-story and one one-story steel frame buildings, pile foundations, masonry walls, concrete floors, built-up roof over concrete on metal decking, utilities, fire protection system, air conditioning and ventilation; watchtower; bulkhead repair; demolition of eleven buildings.						
11. REQUIREMENT: 125,760 SF. ADEQUATE: 64,850 SF. SUBSTANDARD: 0 SF.						
PROJECT: Provides waterfront operational, maintenance, and administrative facilities to support the mission of Special Boat Squadron ONE (SPECBOATRON ONE) and Naval Special Warfare Group ONE (NAVSPECWARGRU ONE). (Current mission.)						
REQUIREMENT: Adequate and properly-configured facilities to support the operational craft and administrative needs of SPECBOATRON ONE, and provide a maintenance facility for NAVSPECWARGRU ONE vehicles, electronics, and parachute equipment. SPECBOATRON ONE is tasked with operating and maintaining specialized Special Warfare craft. A new mission requirement to operate Patrol Boat-Multipurpose (PBM) was recently mandated by the Chief of Naval Operations. NAVSPECWARGRU ONE's vehicle allowance consists of 224 pieces of various equipment.						
CURRENT SITUATION: SPECBOATRON ONE currently occupies single-story structures built in 1944 and originally constructed to meet World War II requirements. These facilities neither conform to safety, building, or fire codes. Floor plans configuration do not meet basic facility requirements or provide for proper maintenance of existing craft. No facilities exist in which to maintain components of the new PBM's.						
(Continued on DD 1391c)						

1. COMPONENT  NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																						
3. INSTALLATION AND LOCATION  NAVAL AMPHIBIOUS BASE, CORONADO, CALIFORNIA																								
4. PROJECT TITLE  WATERFRONT ADMINISTRATION AND OPERATIONS FACILITY	5. PROJECT NUMBER  P-150																							
<p>11. REQUIREMENT: (Continued)  <b>IMPACT IF NOT PROVIDED:</b> The activity cannot support mandated PBM tasking. Activity's mission and operational readiness will continue to be hampered by nonavailability of adequate facilities within which to perform maintenance.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 40px;"> <p>(1) Status:</p> <table style="margin-left: 20px;"> <tr><td>(a) Date Design Started.....</td><td><u>11-88</u></td></tr> <tr><td>(b) Percent Complete as of January 1990.....</td><td><u>100</u></td></tr> <tr><td>(c) Date Design 35% Complete.....</td><td><u>5-89</u></td></tr> <tr><td>(d) Date Design Complete.....</td><td><u>1-90</u></td></tr> </table> <p>(2) Basis:</p> <table style="margin-left: 20px;"> <tr><td>(a) Standard or Definitive Design:</td><td>Yes _____ No <u>X</u></td></tr> <tr><td>(b) Where Design Was Most Recently Used:</td><td><u>N/A</u></td></tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="margin-left: 20px;"> <tr><td>(a) Production of Plans and Specifications.....</td><td>( <u>390</u> )</td></tr> <tr><td>(b) All Other Design Costs.....</td><td>( <u>245</u> )</td></tr> <tr><td>(c) Total.....</td><td><u>635</u></td></tr> <tr><td>(d) Contract.....</td><td>( <u>575</u> )</td></tr> <tr><td>(e) In-house.....</td><td>( <u>60</u> )</td></tr> </table> <p>(4) Construction start..... <u>12-90</u>  <span style="margin-left: 100px;">(month and year)</span></p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>			(a) Date Design Started.....	<u>11-88</u>	(b) Percent Complete as of January 1990.....	<u>100</u>	(c) Date Design 35% Complete.....	<u>5-89</u>	(d) Date Design Complete.....	<u>1-90</u>	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( <u>390</u> )	(b) All Other Design Costs.....	( <u>245</u> )	(c) Total.....	<u>635</u>	(d) Contract.....	( <u>575</u> )	(e) In-house.....	( <u>60</u> )
(a) Date Design Started.....	<u>11-88</u>																							
(b) Percent Complete as of January 1990.....	<u>100</u>																							
(c) Date Design 35% Complete.....	<u>5-89</u>																							
(d) Date Design Complete.....	<u>1-90</u>																							
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	<u>N/A</u>																							
(a) Production of Plans and Specifications.....	( <u>390</u> )																							
(b) All Other Design Costs.....	( <u>245</u> )																							
(c) Total.....	<u>635</u>																							
(d) Contract.....	( <u>575</u> )																							
(e) In-house.....	( <u>60</u> )																							

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION  NAVAL AIR FACILITY, EL CENTRO, CALIFORNIA					4. COMMAND  COMMANDER IN CHIEF, PACIFIC FLEET			5. AREA CONSTR. COST INDEX  1.19			
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1994		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
		15	108	406	0	0	0	220	527	0	
		27	118	406	0	0	0	391	1130	0	2072
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 63,138)											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 32,840											
c. AUTHORIZATION NOT YET IN INVENTORY. . . . . 0											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 9,050											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 36,250											
g. REMAINING DEFICIENCY. . . . . 29,350											
h. GRAND TOTAL . . . . . 107,490											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE				
121.10	AIRCRAFT DIRECT FUELING STA				LS	1,350	10/88	09/89			
226.70	ORDNANCE FACILITY				29,650 SF	7,700	11/88	01/90			
	TOTAL					9,050					
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM NONE											
B. MAJOR PLANNED NEXT THREE YEARS:											
222.20	WEAPONS HANDLING FAC				LS	12,500					
211.05	MAINT HANGAR				LS	9,700					
921.10	LAND ACQUISITION				LS	14,050					
10. MISSION OR MAJOR FUNCTIONS:											
Maintain and operate facilities and provide services and material to support operations of aviation activities of the Pacific Fleet. Divert field for San Diego area Naval Air Stations. Training and deployment site for fighter, attack, early warning Navy and Marine fleet and reserve squadrons.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 610											
B: INSTALLATION RESTORATION 18,860											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL AIR FACILITY EL CENTRO, CALIFORNIA</b>				4. PROJECT TITLE <b>AIRCRAFT DIRECT FUELING STATION</b>		
5. PROGRAM ELEMENT <b>020A696N</b>		6. CATEGORY CODE <b>121.10</b>	7. PROJECT NUMBER <b>P-205</b>	8. PROJECT COST (\$000) <b>1,350</b>		
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
AIRCRAFT DIRECT FUELING STATION. . . . .		LS	-	-	950	
STATION. . . . .		LS	-	-	( 400)	
FUELING APRON. . . . .		SY	2,230	90.00	( 200)	
STORAGE TANKS. . . . .		LS	-	-	( 300)	
DAY TANKS. . . . .		LS	-	-	( 50)	
SUPPORTING FACILITIES. . . . .		-	-	-	270	
SPECIAL CONSTRUCTION FEATURES. . . . .		LS	-	-	( 70)	
UTILITIES. . . . .		LS	-	-	( 140)	
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 60)	
SUBTOTAL . . . . .		-	-	-	1,220	
CONTINGENCY (5%) . . . . .		-	-	-	60	
TOTAL CONTRACT COST. . . . .		-	-	-	1,280	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .		-	-	-	70	
TOTAL REQUEST. . . . .		-	-	-	1,350	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Steel-frame fueling station with four outlets; reinforced concrete fueling apron; day tanks, storage tanks, piping, pumps, cathodic protection, grounding, communications, fire protection system, utilities.						
11. REQUIREMENT: <u>As Required.</u>						
PROJECT: Provides an aircraft direct fueling facility. (Current mission).						
REQUIREMENT: Adequate hot refueling capability for aircraft engaged in field carrier landing practice and target range exercises. Expanded fuel storage capacity to sustain the authorized fuel storage requirement.						
CURRENT SITUATION: Hot refueling is currently being performed at two locations on the base using truck refuelers with hoses extended. This method of hot refueling has become inadequate because of increased demand for more outlets, safety problems with logistics, and aircraft downtime waiting for fuel service.						
IMPACT IF NOT PROVIDED: Activity must rely on truck refuelers which are not capable of handling the demand. Time delays, logistics and safety problems will adversely impact mission performance.						
(Continued on DD 1391c)						

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AIR FACILITY, EL CENTRO, CALIFORNIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
AIRCRAFT DIRECT FUELING STATION		P-205	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... 10-88			
(b) Percent Complete as of January 1990..... 100			
(c) Date Design 35% Complete..... 3-89			
(d) Date Design Complete..... 9-89			
(2) Basis:			
(a) Standard or Definitive Design: Yes _____ No <u>X</u>			
(b) Where Design Was Most Recently Used: <u>N/A</u>			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( 75 )			
(b) All Other Design Costs..... ( 15 )			
(c) Total..... 90			
(d) Contract..... ( 15 )			
(e) In-house..... ( 75 )			
(4) Construction start..... 11-90			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL AIR FACILITY, EL CENTRO, CALIFORNIA</b>				4. PROJECT TITLE <b>ORDNANCE FACILITY</b>		
5. PROGRAM ELEMENT <b>0204696N</b>		6. CATEGORY CODE <b>226.70</b>	7. PROJECT NUMBER <b>P-202</b>		8. PROJECT COST (\$000) <b>7,700</b>	
<b>9. COST ESTIMATES</b>						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
ORDNANCE FACILITY . . . . .	SF	29,650	-	2,600		
READY AMMUNITION BELTING PAD . . . . .	SF	15,000	21.00	( 320)		
MAGAZINES . . . . .	SF	10,350	170.00	(1,760)		
ADMINISTRATIVE OFFICE BUILDING . . . . .	SF	4,300	120.00	( 520)		
SUPPORTING FACILITIES. . . . .	-	-	-	4,350		
UTILITIES. . . . .	LS	-	-	(1,320)		
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	(2,800)		
DEMOLITION. . . . .	LS	-	-	( 230)		
SUBTOTAL. . . . .	-	-	-	6,950		
CONTINGENCY (5%) . . . . .	-	-	-	350		
TOTAL CONTRACT COST. . . . .	-	-	-	7,300		
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .	-	-	-	400		
TOTAL REQUEST. . . . .	-	-	-	7,700		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>  Six earth-covered magazines, loading docks; three steel frame structures, concrete foundations and floors, built-up membrane roof over steel deck and steel trusses; covered staging areas; administrative offices; magazine aprons; access road; fire protection systems, ventilation and air conditioning, utilities; demolition of 23 buildings.						
<b>11. REQUIREMENT:</b> 29,650 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF. <b>PROJECT:</b> Constructs ordnance facilities. (Current mission.) <b>REQUIREMENT:</b> Adequate and properly-configured explosive magazine storage facilities, ready ammunition belting plants for bomb and rocket assembly, ordnance operation administrative office building and associated support facilities. <b>CURRENT SITUATION:</b> The existing facilities are inadequate and undersized, and located within existing and proposed air operations clearance zones. <b>IMPACT IF NOT PROVIDED:</b> Ordnance operations will continue to be housed in undersized, inadequate facilities, with the accompanying compromise to human safety.						

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR FACILITY, EL CENTRO, CALIFORNIA		
4. PROJECT TITLE ORDNANCE FACILITY	5. PROJECT NUMBER P-202	
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... <u>11-88</u></p> <p>(b) Percent Complete as of January 1990..... <u>100</u></p> <p>(c) Date Design 35% Complete..... <u>5-89</u></p> <p>(d) Date Design Complete..... <u>1-90</u></p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes <u>      </u> No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( <u>300</u> )</p> <p>(b) All Other Design Costs..... ( <u>160</u> )</p> <p>(c) Total..... <u>460</u></p> <p>(d) Contract..... ( <u>360</u> )</p> <p>(e) In-house..... ( <u>100</u> )</p> <p>(4) Construction start..... <u>11-90</u> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>		



1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION  MARINE CORPS AIR STATION, EL TORO, CALIFORNIA				4. COMMAND  COMMANDANT OF THE MARINE CORPS		5. AREA CONSTR. COST INDEX  1.21					
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1994		PERMANENT			STUDENTS			SUPPORTED		TOTAL	
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED		CIVILIAN
		77	575	819	0	0	0	699	8952		200
		94	615	974	14	159	0	954	6699	828	10257
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 4,720)											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 276,930											
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 61,700											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 23,550											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 6,370											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 14,080											
g. REMAINING DEFICIENCY . . . . . 300,420											
h. GRAND TOTAL . . . . . 683,050											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE			SCOPE		COST (\$000)		DESIGN STATUS START COMPLETE		
113.20	AIRCRAFT PARKING APRON			45,000 SY		4,900		11/88 01/90			
171.35	OPERATIONAL TRAINER FAC			93,900 SF		8,100		11/88 01/90			
211.06	MAINTENANCE HANGAR ADDNS			33,800 SF		6,600		11/88 01/90			
610.20	DATA PROCESS CNTR			24,200 SF		3,950		11/88 01/90			
		TOTAL					23,550				
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
149.15	FIXED AIRCRAFT START SYS			LS		820					
171.35	OPERATIONS TRAINING FAC			LS		1,300					
214.51	AUTOMOTIVE SHOP			16,120 SF		2,300					
421.32	INERT STORAGE			7,500 SF		1,970					
		TOTAL					6,370				
B. MAJOR PLANNED NEXT THREE YEARS:											
730.10	FIRE STA AREA II			3,600 SF		720					
10. MISSION OR MAJOR FUNCTIONS:											
Maintain and operate facilities and provide services and material to support the operation of a Marine aircraft wing, or units thereof, and other activities and units as designated by the Commandant of the Marine Corps in coordination with the Chief of Naval Operations.											
One Marine Aircraft Wing											
One Naval Aviation Maintenance Training Detachment											
One Marine Air Reserve Training Detachment											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 1,690											
B: INSTALLATION RESTORATION 4,830											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> <b>MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE	
3. INSTALLATION AND LOCATION <b>MARINE CORPS AIR STATION, EL TORO, CALIFORNIA</b>				4. PROJECT TITLE <b>AIRCRAFT PARKING APRON</b>		
5. PROGRAM ELEMENT <b>0206496M</b>		6. CATEGORY CODE <b>113.20</b>	7. PROJECT NUMBER <b>P-594</b>		8. PROJECT COST (\$000) <b>4,900</b>	
<b>9. COST ESTIMATES</b>						
ITEM				U/M	QUANTITY	UNIT COST
AIRCRAFT PARKING APRON . . . . .				SY	45,000	3,470
APRON AND TAXIWAY. . . . .				SY	45,000	48.00 (2,160)
APRON AND TAXIWAY LIGHTING . . . . .				LS	-	( 70)
FIXED POINT UTILITY SYSTEM . . . . .				LS	-	( 920)
BUILDING ALTERATIONS . . . . .				IS	-	( 230)
BUILT-IN EQUIPMENT . . . . .				LS	-	( 90)
SUPPORTING FACILITIES. . . . .				-	-	950
ELECTRICAL UTILITIES . . . . .				LS	-	( 450)
MECHANICAL UTILITIES . . . . .				LS	-	( 230)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .				LS	-	( 270)
SUBTOTAL . . . . .				-	-	4,420
CONTINGENCY (5%) . . . . .				-	-	220
TOTAL CONTRACT COST. . . . .				-	-	4,640
SUPERVISION, INSPECTION & OVERHEAD (5.5%).				-	-	260
TOTAL REQUEST. . . . .				-	-	4,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-	-	( 0)
<p>10. DESCRIPTION OF PROPOSED CONSTRUCTION</p> <p>Concrete aircraft parking apron and taxiway with lighting; fixed point utilities including electrical, compressed air, and fuel; modify hangar shop and administrative spaces; install four bridge cranes in hangar open bay; utilities; demolition of one building and partial demolition of one building.</p> <p>11. REQUIREMENT: <u>483,550 SY.</u> ADEQUATE: <u>438,550 SY.</u> SUBSTANDARD: <u>0 SY.</u>  PROJECT: Constructs aircraft parking apron and taxiway for consolidation of separated parking areas, installs fixed point utilities, alters hangar building. (New mission.)  REQUIREMENT: Adequate aircraft parking and maintenance facilities to accommodate a new training squadron mission of twenty MV-22 aircraft.  CURRENT SITUATION: El Toro has a suitable hangar available, but the adjacent parking apron is occupied by aircraft overflowing from the parking apron associated with another hangar. By expanding the parking area, the available hangar can be used. Alternative sites aboard El Toro for the MV-22 aircraft involve construction of similar or greater amounts of parking apron, plus the erection of a new hangar.  IMPACT IF NOT PROVIDED: El Toro cannot accommodate the new training squadron mission.</p>						

(Continued on DD 1391c)

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
MARINE CORPS AIR STATION, EL TORO, CALIFORNIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
AIRCRAFT PARKING APRON		P-594	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... 11-88			
(b) Percent Complete as of January 1990..... 100			
(c) Date Design 35% Complete..... 5-89			
(d) Date Design Complete..... 1-90			
(2) Basis:			
(a) Standard or Definitive Design: Yes No <input checked="" type="checkbox"/> X			
(b) Where Design Was Most Recently Used: N/A			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( 250 )			
(b) All Other Design Costs..... ( 90 )			
(c) Total..... 340			
(d) Contract..... ( 310 )			
(e) In-house..... ( 30 )			
(4) Construction start..... 12-90			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>MARINE CORPS AIR STATION, EL TORO, CALIFORNIA</b>			4. PROJECT TITLE <b>DATA PROCESSING CENTER</b>		
5. PROGRAM ELEMENT <b>0206496M</b>		6. CATEGORY CODE <b>610.20</b>	7. PROJECT NUMBER <b>P-381</b>	8. PROJECT COST (\$000) <b>3,950</b>	
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
DATA PROCESSING CENTER . . . . .	SF	24,200	131.00	3,170	
SUPPORTING FACILITIES. . . . .	-	-	-	390	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 70)	
UTILITIES. . . . .	LS	-	-	( 240)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 80)	
SUBTOTAL . . . . .	-	-	-	3,560	
CONTINGENCY (5%) . . . . .	-	-	-	180	
TOTAL CONTRACT COST. . . . .	-	-	-	3,740	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	210	
TOTAL REQUEST. . . . .	-	-	-	3,950	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One-story steel frame building, pile foundation, concrete floor, masonry walls, built-up roof, computer flooring, sound attenuation, air conditioning, fire protection system, utilities.					
11. REQUIREMENT: 24,200 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF. PROJECT: Constructs a building to house a Regional Automated Data Processing Center (RADPC). (Current mission.) REQUIREMENT: Adequate facilities with space and equipment tailored for computer equipment operation, software development and administrative functions associated with a RADPC. This unit performs all computerized supply functions, documents maintenance actions, processes civilian payroll, and stores personnel records for all the Marine aviation commands in the southwest region of the United States. The RADPC processes over 2,000 separate job orders every month and each one is critical to the normal operations of the Third Marine Aircraft Wing (MAW). CURRENT SITUATION: The existing RADPC is located in a converted, inadequate warehouse, insufficient in space, lacking the specialized utility support of isolated electric power, fire protection, and environmental controls, and does not have adequate security safeguards. In an attempt to alleviate overcrowding, the administrative functions associated with this unit have been moved to an old converted machine shop two and a half miles from the computer operations.					
(Continued on DD 1391c)					

1. COMPONENT	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		
3. INSTALLATION AND LOCATION		
MARINE CORPS AIR STATION, EL TORO, CALIFORNIA		
4. PROJECT TITLE		5. PROJECT NUMBER
DATA PROCESSING CENTER		P-381
<p>11. REQUIREMENT: (Continued)</p> <p><b>IMPACT IF NOT PROVIDED:</b> The reliability and timeliness of all Third MAW computer processing services will be degraded. Existing facility will remain at high risk from fire, electric power surges, and unauthorized intrusion. Loss of computer support would drastically limit supply and maintenance to Third MAW Squadrons. The existing overcrowding will become even worse as upgraded computer equipment is delivered and becomes operational.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <p>(a) Date Design Started..... <u>11-88</u></p> <p>(b) Percent Complete as of January 1990..... <u>100</u></p> <p>(c) Date Design 35% Complete..... <u>5-89</u></p> <p>(d) Date Design Complete..... <u>1-90</u></p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes _____ No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( <u>205</u> )</p> <p>(b) All Other Design Costs..... ( <u>60</u> )</p> <p>(c) Total..... <u>265</u></p> <p>(d) Contract..... ( <u>255</u> )</p> <p>(e) In-house..... ( <u>10</u> )</p> <p>(4) Construction start..... <u>12-90</u></p> <p style="text-align: right;">(month and year)</p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>		

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, EL TORO, CALIFORNIA			4. PROJECT TITLE MAINTENANCE HANGAR ADDITIONS		
5. PROGRAM ELEMENT  0206496M	6. CATEGORY CODE  211.06	7. PROJECT NUMBER  P-393	8. PROJECT COST (\$000)  6,600		
<b>9. COST ESTIMATES</b>					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
MAINTENANCE HANGAR ADDITIONS . . . . .	SF	33,800	-	4,610	
BUILDING ADDITIONS . . . . .	SF	33,800	117.00	(3,950)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 660)	
SUPPORTING FACILITIES. . . . .	-	-	-	1,350	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 400)	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 320)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 340)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 290)	
SUBTOTAL . . . . .	-	-	-	5,960	
CONTINGENCY (5%) . . . . .	-	-	-	300	
TOTAL CONTRACT COST. . . . .	-	-	-	6,260	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	340	
TOTAL REQUEST. . . . .	-	-	-	6,600	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b> Two-story steel frame addition to each of four hangars, masonry walls, pile foundations, concrete floors, built-up roofs, sound attenuation and air conditioning for administrative spaces, fire protection systems, 400 Hz electrical power; asphalt target resolution pad; utilities.					
<b>11. REQUIREMENT:</b> 184,590 SF. ADEQUATE: 150,790 SF. SUBSTANDARD: <u>0</u> SF. <b>PROJECT:</b> Constructs four hangar additions; provides a target resolution calibration pad. (New mission.) <b>REQUIREMENT:</b> Adequate hangar space to accommodate and support maintenance and administrative functions for three tactical F/A-18 squadrons, each comprised of three aircraft types, totaling 16 aircraft. <b>CURRENT SITUATION:</b> Existing facilities were designed and configured to support 12-plane squadrons, comprised of a smaller single engine type of aircraft. Increased mission requirements have expanded the aircraft loading and types to 16 planes. The transition from 12 to 16 aircraft was started in 1987 and will be complete by 1990. To facilitate this expansion, some maintenance shops and all administrative functions were relocated into inadequate spaces removed from the primary squadron areas. No target resolution calibration pad or any facility which can be used for this purpose exists at this station. Operating aircraft on the flight line and apron areas cause the noise levels within existing shop areas to be above established guidelines and sound attenuation is necessary to protect personnel from hearing damage.					

(Continued on DD 1391c)

1. COMPONENT <b>NAVY</b>	<b>FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
3. INSTALLATION AND LOCATION <b>MARINE CORPS AIR STATION, EL TORO, CALIFORNIA</b>		
4. PROJECT TITLE <b>MAINTENANCE HANGAR ADDITIONS</b>		5. PROJECT NUMBER <b>P-393</b>
<p>11. REQUIREMENT: (Continued)  <b>IMPACT IF NOT PROVIDED:</b> Continued operations in overcrowded inadequate facilities will adversely effect the operational readiness of three tactical fighter squadrons. No facility to calibrate equipment on the reconnaissance version of the FA-18 aircraft will be available. Marines will continue to be exposed to high background noise levels which can permanently damage hearing.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <p style="margin-left: 20px;">(a) Date Design Started..... <u>11-88</u></p> <p style="margin-left: 20px;">(b) Percent Complete as of January 1990..... <u>100</u></p> <p style="margin-left: 20px;">(c) Date Design 35% Complete..... <u>5-89</u></p> <p style="margin-left: 20px;">(d) Date Design Complete..... <u>1-90</u></p> </div> <div style="margin-left: 80px;"> <p>(2) Basis:</p> <p style="margin-left: 20px;">(a) Standard or Definitive Design:      Yes <u>      </u> No <u>  X  </u></p> <p style="margin-left: 20px;">(b) Where Design Was Most Recently Used:      <u>  N/A  </u></p> </div> <div style="margin-left: 80px;"> <p>(3) Total cost (c) = (a) + (b) or (d) + (e):      (\$000)</p> <p style="margin-left: 20px;">(a) Production of Plans and Specifications..... ( <u>  340  </u> )</p> <p style="margin-left: 20px;">(b) All Other Design Costs..... ( <u>  100  </u> )</p> <p style="margin-left: 20px;">(c) Total..... <u>  440  </u></p> <p style="margin-left: 20px;">(d) Contract..... ( <u>  400  </u> )</p> <p style="margin-left: 20px;">(e) In-house..... ( <u>  40  </u> )</p> </div> <div style="margin-left: 80px;"> <p>(4) Construction start..... <u>  12-90  </u></p> <p style="margin-left: 100px;">(month and year)</p> </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, EL TORO, CALIFORNIA				4. PROJECT TITLE OPERATIONAL TRAINER FACILITY		
5. PROGRAM ELEMENT 0206496M		6. CATEGORY CODE 171.35	7. PROJECT NUMBER P-595		8. PROJECT COST (\$000) 8,100	
9. COST ESTIMATES						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
OPERATIONAL TRAINER FACILITY . . . . .	SF	93,900	-	6,310		
BUILDING . . . . .	SF	15,300	123.00	(1,880)		
BUILDING ALTERATIONS . . . . .	SF	78,600	64.00	(5,030)		
SUPPORTING FACILITIES. . . . .	-	-	-	400		
UTILITIES. . . . .	LS	-	-	( 330)		
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 70)		
SUBTOTAL . . . . .	-	-	-	7,310		
CONTINGENCY (5%) . . . . .	-	-	-	370		
TOTAL CONTRACT COST. . . . .	-	-	-	7,680		
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .	-	-	-	420		
TOTAL REQUEST. . . . .	-	-	-	8,100		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>Two-story steel frame and masonry building, concrete foundation and floors, built-up roof, two high-bays for simulators; modify building for installation of maintenance simulators and classrooms; fire protection system, air conditioning, sound attenuation, utilities.</p> <p>11. REQUIREMENT: 121,880 SF. ADEQUATE: 27,980 SF. SUBSTANDARD: (78,600) SF. PROJECT: Constructs a facility to house MV-22 aircraft operational and maintenance trainers and their associated shop, computer, classroom and administrative spaces; modifies one building. (New mission.) REQUIREMENT: An adequate facility for providing training to aircrews and mechanics in operating and maintaining the new aircraft in a safe, efficient, and effective manner, with minimum risk to men and materiel during the training process. CURRENT SITUATION: Eleven MV-22 aircraft squadrons are scheduled to arrive on the West Coast during the early 1990's. El Toro has been assigned to host the training functions for these squadrons, with the training devices scheduled to arrive in mid 1993. There are no facilities available to house these devices, nor is there adequate space available to conduct the associated classroom portions of the training. IMPACT IF NOT PROVIDED: Squadrons will not be able to transition to the new aircraft on the West Coast.</p>						

(Continued on DD 1391c)



1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
MARINE CORPS AIR STATION, EL TORO, CALIFORNIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
OPERATIONAL TRAINER FACILITY		P-595	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... 11-88			
(b) Percent Complete as of January 1990..... 100			
(c) Date Design 35% Complete..... 5-89			
(d) Date Design Complete..... 1-90			
(2) Basis:			
(a) Standard or Definitive Design: Yes No <input checked="" type="checkbox"/> X			
(b) Where Design Was Most Recently Used: N/A			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( 415 )			
(b) All Other Design Costs..... ( 95 )			
(c) Total..... 510			
(d) Contract..... ( 485 )			
(e) In-house..... ( 25 )			
(4) Construction start..... 12-90			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION  NAVAL AIR STATION, LEMOORE, CALIFORNIA					4. COMMAND  COMMANDER IN CHIEF, PACIFIC FLEET			5. AREA CONSTR. COST INDEX  1.14			
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1994		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
		466	4938	1163	82	223	0	3	86	0	
		535	4594	1163	72	378	0	0	33	0	6775
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 39,173)											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 191,650											
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 3,990											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 1,320											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 2,550											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 10,200											
g. REMAINING DEFICIENCY . . . . . 102,960											
h. GRAND TOTAL . . . . . 312,670											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE						
171.20	WEAPONS SCHOOL ADDITION	LS	900	10/88	09/89						
218.50	BATTERY SHOP	LS	420	09/88	06/89						
	TOTAL		1,320								
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
211.03	VENTILATION IMPROVS	11,160 SF	2,550								
	TOTAL		2,550								
B. MAJOR PLANNED NEXT THREE YEARS:											
148.15	WEAPONS AREA IMPROV	LS	10,200								
10. MISSION OR MAJOR FUNCTIONS:											
Maintain and operate facilities and provide services and materials to support operations of aviation activities of the Pacific Fleet.											
Fleet Light Attack (A-7 and F/A-18) Squadrons											
Replacement Training Squadrons											
Carrier Air Wings											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 1,230											
B: INSTALLATION RESTORATION 24,350											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 2,550											

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION LONG BEACH NAVAL SHIPYARD, LONG BEACH, CALIFORNIA				4. COMMAND NAVAL SEA SYSTEMS COMMAND			5. AREA CONSTR. COST INDEX 1.21				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		TOTAL	
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED		CIVILIAN
a. AS OF 09/30/88		40	3	6394	0	0	60	133	1876	187	8693
b. END FY 1994		37	3	5700	0	0	60	185	1804	270	8059
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 351)											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 184,400											
c. AUTHORIZATION NOT YET IN INVENTORY. . . . . 3,630											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 500											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 1,000											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 22,500											
g. REMAINING DEFICIENCY. . . . . 77,850											
h. GRAND TOTAL . . . . . 289,880											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE				
213.55	ASBESTOS REMOVAL SHOP				LS	500	09/88	06/89			
	TOTAL					500					
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
812.40	PERIMETER SEC LIGHTING				20,000 LF	1,000					
	TOTAL					1,000					
B. MAJOR PLANNED NEXT THREE YEARS:											
441.30	HAZ MTRLS STORAGE FAC				LS	3,200					
842.10	UTILITIES IMPROVEMENTS				LS	19,300					
10. MISSION OR MAJOR FUNCTIONS:											
Maintenance and overhaul of surface ships up to and including attack carriers with heavy emphasis on unscheduled repair work. Logistic support provided includes conversion, reactivation, overhaul, repair, alterations, and dry docking. Support is also provided for air, anti-air, and anti-submarine warfare weapon systems.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 590											
B: INSTALLATION RESTORATION 840											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION NAVAL STATION, LONG BEACH, CALIFORNIA					4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET		5. AREA CONSTR. COST INDEX 1.21				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88		924	12155	3256	0	0	0	116	789	0	17240
b. END FY 1994		795	12917	3256	0	0	0	116	789	0	17873
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 1.351)											
b. INVENTORY TOTAL AS OF 30 SEP 88 107,770											
c. AUTHORIZATION NOT YET IN INVENTORY 26,550											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 9,300											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 8,180											
f. PLANNED IN NEXT THREE PROGRAM YEARS 29,920											
g. REMAINING DEFICIENCY 95,440											
h. GRAND TOTAL 278,160											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE				
740.50	PHYSICAL FITNESS FAC				LS	5,800	03/87 05/88				
842.10	WHARF UTILITIES UPGRADE				LS	3,500	12/83 12/88				
	TOTAL					9,300					
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
151.20	BERTHING PIER EXTENSION				LS	3,450					
730.15	WATERFRONT BRIG				LS	5,730					
	TOTAL					9,180					
B. MAJOR PLANNED NEXT THREE YEARS:											
151.20	BERTHING PIER IMPROVEMENT				LS	24,000					
724.12	BACHELOR OFFICER QUARTERS				34,000 SF	4,520					
721.40	DISCIPLINARY BARRACKS				10,530 SF	1,400					
10. MISSION OR MAJOR FUNCTIONS:											
Provides logistic support for the operating forces of the Navy and for dependent activities and other commands as assigned. Services range from providing ships with berths, fuel and water, to providing recreation facilities for military personnel. The Pay and Personnel Administrative Support System Detachment receives, processes, and transfers personnel, both fleet and shore based.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 70											
B: INSTALLATION RESTORATION 290											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 700											

1. COMPONENT <b>NAVY</b>		FY 19 <u>21</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL STATION, LONG BEACH, CALIFORNIA</b>				4. PROJECT TITLE <b>PHYSICAL FITNESS FACILITIES</b>		
5. PROGRAM ELEMENT <b>0204796N</b>		6. CATEGORY CODE <b>740.50</b>	7. PROJECT NUMBER <b>P-203</b>		8. PROJECT COST (\$000) <b>5,800</b>	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
PHYSICAL FITNESS FACILITIES. . . . .		LS	-	-	3,550	
BUILDING . . . . .		SF	30,000	94.00	(2,820)	
OUTDOOR RECREATION FACILITIES. . . . .		LS	-	-	( 730)	
SUPPORTING FACILITIES. . . . .		-	-	-	1,690	
SPECIAL CONSTRUCTION FEATURES. . . . .		LS	-	-	( 180)	
ELECTRICAL UTILITIES . . . . .		LS	-	-	( 350)	
MECHANICAL UTILITIES . . . . .		LS	-	-	( 280)	
PAVING AND SITE IMPROVEMENT, DEMOLITION. .		LS	-	-	( 880)	
SUBTOTAL . . . . .		-	-	-	5,240	
CONTINGENCY (5%) . . . . .		-	-	-	260	
TOTAL CONTRACT COST. . . . .		-	-	-	5,500	
SUPERVISION, INSPECTION & OVERHEAD (5.5%)..		-	-	-	300	
TOTAL REQUEST. . . . .		-	-	-	5,800	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Reinforced concrete and masonry building, pile foundation, concrete floor, built-up roof, fire protection system, ventilation, utilities; pool, outdoor track and fields, tennis courts; hazardous waste cleanup.						
11. REQUIREMENT: <u>As Required.</u>						
PROJECT: Provides indoor and outdoor physical fitness and recreation facilities including a fieldhouse with gymnasium, handball courts, indoor swimming pool, weight room, and related indoor support facilities. Outdoor facilities include football and soccer fields, a quarter-mile track, and eight tennis courts. Lighting will be provided for outdoor fields and courts. (New mission.)						
REQUIREMENT: Adequate physical conditioning and recreational facilities to accommodate over 11,000 military personnel and their dependents. This activity provides homeporting support for one Battleship Surface Action Group and one amphibious squadron. In addition, 30 combatants and support ships are homeported.						
CURRENT SITUATION: One small inadequate gymnasium, eight softball fields, a 16-lane bowling alley, and two outdoor pools are the only recreation facilities presently available.						
IMPACT IF NOT PROVIDED: Adequate physical fitness and recreational facilities will not be available to support assigned personnel.						
(Continued on DD 1391c)						

1. COMPONENT NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, LONG BEACH, CALIFORNIA		
4. PROJECT TITLE PHYSICAL FITNESS FACILITIES		5. PROJECT NUMBER P-203
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... <u>3-87</u></p> <p>(b) Percent Complete as of January 1990..... <u>100</u></p> <p>(c) Date Design 35% Complete..... <u>1-88</u></p> <p>(d) Date Design Complete..... <u>5-88</u></p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes <u>    </u> No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( <u>290</u> )</p> <p>(b) All Other Design Costs..... ( <u>270</u> )</p> <p>(c) Total..... <u>560</u></p> <p>(d) Contract..... ( <u>520</u> )</p> <p>(e) In-house..... ( <u>40</u> )</p> <p>(4) Construction start..... <u>12-90</u> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT <b>NAVY</b>		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL STATION, LONG BEACH, CALIFORNIA</b>				4. PROJECT TITLE <b>WHARF UTILITIES UPGRADE</b>		
5. PROGRAM ELEMENT <b>0204796N</b>		6. CATEGORY CODE <b>84C 10</b>	7. PROJECT NUMBER <b>P-201</b>		8. PROJECT COST (\$000) <b>5,500</b>	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
WHARF UTILITIES UPGRADE. . . . .		LS	-	-	3,160	
STEAM LINE UPGRADE . . . . .		LS	-	-	( 600)	
POTABLE WATER SYSTEM UPGRADE . . . . .		LS	-	-	(2,120)	
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 440)	
SUBTOTAL . . . . .		-	-	-	3,160	
CONTINGENCY (5%) . . . . .		-	-	-	160	
TOTAL CONTRACT COST. . . . .		-	-	-	3,320	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .		-	-	-	180	
TOTAL REQUEST. . . . .		-	-	-	3,500	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION  Replace 10-inch steam conduits, manholes and valves; 16-inch potable water line, upgrade distribution laterals, 750,000-gallon water storage tank, booster pump station.						
11. REQUIREMENT: <u>As Required.</u> PROJECT: Upgrades utilities on the west side of Pier E. (New mission.) REQUIREMENT: Adequate utility systems with sufficient capacity to fully support all ships berthed at Pier E. Pier E has recently been transferred from a shipyard repair pier to a naval station homeporting pier for four frigates in support of a Battleship Surface Action Group to be homeported in San Francisco, California. CURRENT SITUATION: Existing utilities on the pier were installed for outfitting of ships that had completed overhaul. The steam distribution system has insufficient capacity to meet the requirement. Water supply is dependent upon the water supply from the City of Long Beach. Inadequate water storage capacity exists in the shipyard to provide adequate water pressure should the loss of city water occur. IMPACT IF NOT PROVIDED: Failure of any of the utilities services would result in disruption of activities, delay of repairs, and have a detrimental impact on the readiness of ships.						
(Continued on DD 1391c)						

1. COMPONENT  NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																						
3. INSTALLATION AND LOCATION  NAVAL STATION, LONG BEACH, CALIFORNIA																								
4. PROJECT TITLE  WHARF UTILITIES UPGRADE	5. PROJECT NUMBER  P-201																							
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">12-83</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">11-86</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">12-88</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e):</p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 200 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 170 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">370</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 330 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 40 )</td> </tr> </table> <p>(4) Construction start..... 11-90 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Date Design Started.....	12-83	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	11-86	(d) Date Design Complete.....	12-88	(a) Standard or Definitive Design:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> X	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	( 200 )	(b) All Other Design Costs.....	( 170 )	(c) Total.....	370	(d) Contract.....	( 330 )	(e) In-house.....	( 40 )
(a) Date Design Started.....	12-83																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	11-86																							
(d) Date Design Complete.....	12-88																							
(a) Standard or Definitive Design:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> X																							
(b) Where Design Was Most Recently Used:	N/A																							
(a) Production of Plans and Specifications.....	( 200 )																							
(b) All Other Design Costs.....	( 170 )																							
(c) Total.....	370																							
(d) Contract.....	( 330 )																							
(e) In-house.....	( 40 )																							



1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION  NAVAL AIR STATION, MIRAMAR, CALIFORNIA					4. COMMAND  COMMANDER IN CHIEF, PACIFIC FLEET			5. AREA CONSTR. COST INDEX  1.21			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88		880	6971	1840	122	357	0	169	495	0	10844
b. END FY 1994		903	6795	1863	139	357	0	179	525	0	10761
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 23,121 )											
b. INVENTORY TOTAL AS OF 30 SEP 88 189,900											
c. AUTHORIZATION NOT YET IN INVENTORY 46,550											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 5,500											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0											
f. PLANNED IN NEXT THREE PROGRAM YEARS 1,870											
g. REMAINING DEFICIENCY 59,580											
h. GRAND TOTAL 303,400											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE			SCOPE		COST (\$000)	DESIGN START		STATUS COMPLETE	
171.20		TOPGUN ACADEMIC FACILITY			30,200 SF		4,600	11/88		01/90	
171.20		WEAPONS SCHOOL ADDITION			LS		900	10/88		09/89	
		TOTAL					5,500				
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM NONE											
B. MAJOR PLANNED NEXT THREE YEARS:											
211.05		NOISE HAZ ABATEMENT			LS		700				
141.87		LIQUID OXYGEN/NITROGEN FAC			2,710 SF		1,170				
10. MISSION OR MAJOR FUNCTIONS:											
Maintain and operate facilities and provide services and materials to support operations of aviation activities of the Pacific Fleet. Homeport of west coast fleet fighter squadrons.											
Replacement Training Squadron						Fleet Fighter Squadrons					
Photo and Composite Squadrons						Fighter Weapons School					
Four Naval Air Reserve Squadrons						Carrier Air Wings					
Airborne Early Warning (E-2B) Squadrons											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 4,090											
B: INSTALLATION RESTORATION 14,510											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 700											

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL AIR STATION, MIRAMAR, CALIFORNIA				4. PROJECT TITLE TOPGUN ACADEMIC FACILITY		
5. PROGRAM ELEMENT 0204696N		6. CATEGORY CODE 171.20	7. PROJECT NUMBER P 346		8. PROJECT COST (\$000) 4,600	
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
TOPGUN ACADEMIC FACILITY . . . . .		SF	30,200	120.00	3,630	
SUPPORTING FACILITIES. . . . .		-	-	-	520	
UTILITIES. . . . .		LS	-	-	( 300)	
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 220)	
SUBTOTAL . . . . .		-	-	-	4,150	
CONTINGENCY (5%) . . . . .		-	-	-	210	
TOTAL CONTRACT COST. . . . .		-	-	-	4,360	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .		-	-	-	240	
TOTAL REQUEST. . . . .		-	-	-	4,600	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	-	(NON-ADD) ( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION Two-story reinforced concrete frame and masonry building, concrete floors, pile foundation, built-up roof, security system, fire protection system, air conditioning, utilities.						
11. REQUIREMENT: <u>30,200 SF.</u> ADEQUATE: <u>0 SF.</u> SUBSTANTIAL: <u>0 SF.</u> PROJECT: Provides a weapons school. (Current mission.) REQUIREMENT: Adequate academic training facilities in a secure environment to accommodate the Navy Fighter Weapons School (NFWS), including spaces for administrative support. NFWS is the primary Navy and Marine Corps authority for tactical development in maritime air superiority and fighter employment in the power projection role. CURRENT SITUATION: The NFWS is currently training in space designed and utilized as a hangar. Noise abatement, security for maintenance of sensitive information, and an environment conducive to academic training and study are not available. NFWS is a school without proper training facilities. IMPACT IF NOT PROVIDED: NFWS will continue to curtail the number of student candidates, and limit the scope of education offered in the missions assigned, and the nature and scope of classified material necessary for research and tactics development in primary mission areas. This would adversely affect the Navy's mission in support of maritime air superiority and fighter employment in the power projection role. The						

(Continued on DD 1391c)

1. COMPONENT NAVY		2. DATE	
FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION NAVAL AIR STATION, MIRAMAR, CALIFORNIA			
4. PROJECT TITLE TOPGUN ACADEMIC FACILITY		5. PROJECT NUMBER P-346	
<p>11. REQUIREMENT: (Continued)  <u>IMPACT IF NOT PROVIDED:</u> (Continued)          impact could ultimately be evidenced in defense of the carrier battle group whether in open-ocean operations or in projecting naval power ashore.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... 11-88</p> <p>(b) Percent Complete as of January 1990..... 100</p> <p>(c) Date Design 35% Complete..... 5-89</p> <p>(d) Date Design Complete..... 1-90</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes _____ No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( 240 )</p> <p>(b) All Other Design Costs..... ( 170 )</p> <p>(c) Total..... 410</p> <p>(d) Contract..... ( 340 )</p> <p>(e) In-house..... ( 70 )</p> <p>(4) Construction start..... 10-90 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA				4. COMMAND CHIEF OF NAVAL OPERATIONS		5. AREA CONSTR. COST INDEX 1.25				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
	a. AS OF 09/30/88									
b. END FY 1984										
	92	94	912	1700	0	0	0	0	0	2798
	92	98	1006	2000	0	0	0	0	0	3196
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 619 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 57,400										
c. AUTHORIZATION NOT YET IN INVENTORY 3,140										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 16,050										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 14,000										
f. PLANNED IN NEXT THREE PROGRAM YEARS 34,030										
g. REMAINING DEFICIENCY 16,640										
h. GRAND TOTAL 141,260										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS				
						START	COMPLETE			
171.25	LECT HALL ADD&SEISMIC UPGR			LS	2,180	10/88	09/89			
219.10	PUBLIC WORKS COMPLEX			35,850 SF	4,600	11/88	01/90			
724.11	BLDG CONVER & SEISMIC UPGR			LS	3,200	11/88	01/90			
740.43	GYMNASIUM			28,200 SF	3,970	11/88	01/90			
740.74	CHILD CARE CENTER			14,000 SF	2,100	02/87	01/88			
	TOTAL				16,050					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
171.20	ENGINEERING BLDG			LS	12,000					
724.12	SEISMIC UPGRADE			67,500 SF	2,000					
	TOTAL				14,000					
B. MAJOR PLANNED NEXT THREE YEARS:										
441.10	SUPPLY COMPLEX			LS	1,500					
610.10	SPANAGEL LEVEL 2			LS	3,700					
724.12	BACHELOR OFFICER QTRS ADDN			93,000 SF	10,200					
10. MISSION OR MAJOR FUNCTIONS:										
Conduct and direct the advanced education of Naval officers and provide such other technical and professional instruction as may be prescribed to meet the needs of the Naval service; foster and encourage a program of research in order to sustain academic excellence.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 920										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA			4. PROJECT TITLE BUILDING CONVERSION AND SEISMIC UPGRADE		
5. PROGRAM ELEMENT 0805796N	6. CATEGORY CODE 724.11	7. PROJECT NUMBER P-129	8. PROJECT COST (\$000) 3,200		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
BUILDING CONVERSION & SEISMIC UPGRADE. . . .	LS	-	-	2,890	
BUILDING CONVERSION & RENOVATION . . . .	SF	13,950	50.00	( 700)	
SEISMIC UPGRADE-BUILDING . . . . .	LS	-	-	(1,620)	
UTILITIES. . . . .	LS	-	-	( 570)	
SUBTOTAL . . . . .	-	-	-	2,390	
CONTINGENCY (5%) . . . . .	-	-	-	140	
TOTAL CONTRACT COST. . . . .	-	-	-	3,030	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	170	
TOTAL REQUEST. . . . .	-	-	-	3,200	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Convert offices and classroom space on the second floor of a five-story building to bachelor officer quarters; 27 suites including combination living-bedroom, bathroom, pullman type kitchen, lounges, laundry, storage, vending, mechanical equipment; fire protection system, ventilation, utilities; seismic upgrade of this five-story building, including structural reinforcement of both the wooden building and the concrete footings. Grade mix: 27 W1-02. Total: 27.</p>					
11. REQUIREMENT: As Required.					
<p><b>PROJECT:</b> Provides additional bachelor officer quarters and seismic upgrade of a five-story building. (Current mission.)</p> <p><b>REQUIREMENT:</b> Adequate on-campus housing to accommodate increased student enrollment. Restoring the original victorian character and providing seismic upgrade for Building 221.</p> <p><b>CURRENT SITUATION:</b> Bachelor officers are either housed inadequately in the bachelor officer quarters or are living in civilian housing that is either inadequate or too costly. The lack of sufficient bachelor officer quarters for transients is resulting in exorbitant per diem costs because of personnel using hotels.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Housing per diem cost will continue to rise. The Naval Postgraduate School academic programs will be limited in their ability to perform their mission.</p>					
(Continued on DD 1391c)					

1. COMPONENT NAVY	2. DATE FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA																										
3. INSTALLATION AND LOCATION NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA																											
4. PROJECT TITLE BUILDING CONVERSION AND SEISMIC UPGRADE	5. PROJECT NUMBER P-129																										
<p>11. REQUIREMENT: (Continued)  <u>ADDITIONAL</u>: The local vacancy factor is under one percent, thus driving civilian housing costs beyond the means of most military personnel.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table> <tr> <td>(a) Date Design Started.....</td> <td>11-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>5-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>1-90</td> </tr> </table> <p>(2) Basis:</p> <table> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes</td> <td>No</td> <td>X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>160</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>150</td> </tr> <tr> <td>(c) Total.....</td> <td>310</td> </tr> <tr> <td>(d) Contract.....</td> <td>270</td> </tr> <tr> <td>(e) In-house.....</td> <td>40</td> </tr> </table> <p>(4) Construction start..... 12-90 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>		(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A			(a) Production of Plans and Specifications.....	160	(b) All Other Design Costs.....	150	(c) Total.....	310	(d) Contract.....	270	(e) In-house.....	40
(a) Date Design Started.....	11-88																										
(b) Percent Complete as of January 1990.....	100																										
(c) Date Design 35% Complete.....	5-89																										
(d) Date Design Complete.....	1-90																										
(a) Standard or Definitive Design:	Yes	No	X																								
(b) Where Design Was Most Recently Used:	N/A																										
(a) Production of Plans and Specifications.....	160																										
(b) All Other Design Costs.....	150																										
(c) Total.....	310																										
(d) Contract.....	270																										
(e) In-house.....	40																										

1. COMPONENT <b>NAVY</b>		FY 1991 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA</b>			4. PROJECT TITLE <b>CHILD CARE CENTER</b>		
5. PROGRAM ELEMENT <b>0805796N</b>	6. CATEGORY CODE <b>740.74</b>	7. PROJECT NUMBER <b>P-137</b>	8. PROJECT COST (\$000) <b>2.100</b>		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
CHILD CARE CENTER . . . . .	SF	14,000	93.00	1,300	
SUPPORTING FACILITIES. . . . .	-	-	-	600	
UTILITIES. . . . .	LS	-	-	( 420)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 180)	
SUBTOTAL . . . . .	-	-	-	1,900	
CONTINGENCY (5%) . . . . .	-	-	-	90	
TOTAL CONTRACT COST. . . . .	-	-	-	1,990	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	110	
TOTAL REQUEST. . . . .	-	-	-	2,100	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)	-	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One-story steel frame building, concrete foundation and floor, masonry walls, built-up roof over metal decking, fire protection system, ventilation, utilities; outdoor playground area.					
11. REQUIREMENT: 20,200 SF. ADEQUATE: 6,200 SF. SUBSTANDARD: 0 SF. PROJECT: Constructs a child care center with classrooms, crib rooms, office space, storage, and playgrounds to accommodate school and pre-school age children and infants. (Current mission.) REQUIREMENT: An adequate child care center for the school's military students' dependents, to include pre-school teaching facilities and the necessary accommodations for infant care. CURRENT SITUATION: The existing facility is of semi-permanent construction and inadequate in size for the military population. It is not feasible to modernize and expand the existing facility because of its age and sheet metal construction, its industrialized location, and it is on the site for proposed future academic expansion. There is a need for more space to accommodate 200 additional children already on a waiting list. IMPACT IF NOT PROVIDED: Only 60% of the families at the NAVPGSCOL will be able to utilize the existing child care center. Using the facilities in the local community is expensive and inconvenient. Continued use of the existing facility will unnecessarily subject children to the hazards of an industrialized area, and will cause hardship for the families not accommodated.					
(Continued on DD 1391c)					

1. COMPONENT NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																						
3. INSTALLATION AND LOCATION NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA																								
4. PROJECT TITLE CHILD CARE CENTER		5. PROJECT NUMBER P-137																						
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table> <tr> <td>(a) Date Design Started.....</td> <td><u>2-87</u></td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td><u>100</u></td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td><u>7-87</u></td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td><u>1-88</u></td> </tr> </table> <p>(2) Basis:</p> <table> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td><u>N/A</u></td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>( <u>100</u> )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>( <u>110</u> )</td> </tr> <tr> <td>(c) Total.....</td> <td><u>210</u></td> </tr> <tr> <td>(d) Contract.....</td> <td>( <u>180</u> )</td> </tr> <tr> <td>(e) In-house.....</td> <td>( <u>30</u> )</td> </tr> </table> <p>(4) Construction start..... <u>11-90</u> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Date Design Started.....	<u>2-87</u>	(b) Percent Complete as of January 1990.....	<u>100</u>	(c) Date Design 35% Complete.....	<u>7-87</u>	(d) Date Design Complete.....	<u>1-88</u>	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( <u>100</u> )	(b) All Other Design Costs.....	( <u>110</u> )	(c) Total.....	<u>210</u>	(d) Contract.....	( <u>180</u> )	(e) In-house.....	( <u>30</u> )
(a) Date Design Started.....	<u>2-87</u>																							
(b) Percent Complete as of January 1990.....	<u>100</u>																							
(c) Date Design 35% Complete.....	<u>7-87</u>																							
(d) Date Design Complete.....	<u>1-88</u>																							
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	<u>N/A</u>																							
(a) Production of Plans and Specifications.....	( <u>100</u> )																							
(b) All Other Design Costs.....	( <u>110</u> )																							
(c) Total.....	<u>210</u>																							
(d) Contract.....	( <u>180</u> )																							
(e) In-house.....	( <u>30</u> )																							



1. COMPONENT NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA				4. PROJECT TITLE GYMNASIUM		
5. PROGRAM ELEMENT 0805796N		6. CATEGORY CODE 740.43		7. PROJECT NUMBER P-151		8. PROJECT COST (\$000) 3,970
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	UNIT COST (\$000)
GYMNASIUM. . . . .				SI'	28,200	105.00 2,970
SUPPORTING FACILITIES. . . . .				-	-	610
SPECIAL CONSTRUCTION FEATURES. . . . .				LS	-	( 60)
UTILITIES. . . . .				LS	-	( 230)
PAVING AND SITE IMPROVEMENT. . . . .				LS	-	( 320)
SUBTOTAL. . . . .				-	-	3,580
CONTINGENCY (5%). . . . .				-	-	180
TOTAL CONTRACT COST. . . . .				-	-	3,760
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .				-	-	210
TOTAL REQUEST. . . . .				-	-	3,970
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-	- (NON-ADD)	( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
One-story steel frame building, masonry walls, concrete foundation and floor, clay tile roof over membrane on insulated metal decking and steel trusses, fire protection system, utilities, mechanical ventilation.						
11. REQUIREMENT: 41,860 SF. ADEQUATE: 13,660 SF. SUBSTANDARD: 0 SF.						
PROJECT: Constructs a gymnasium with space for basketball, handball, and squash courts, weight and exercise rooms, sauna, multi-purpose room, showers, dressing and locker rooms, and issue room. (Current mission.)						
REQUIREMENT: An adequate gymnasium facility for military students and staff personnel, dependents, civilian employees, and retired personnel.						
CURRENT SITUATION: The existing facility is a converted sheet metal building, inadequate in size for the school's present and future population needs. The facility is isolated in an industrialized area used for public works shop facilities. This location has created incompatible land use patterns. Many authorized personnel are discouraged from using the facility.						
IMPACT IF NOT PROVIDED: Continued inability to provide an adequate exercise program for students, dependents, and support personnel. The retention of academic excellence, essential to the school's mission, requires a viable physical fitness program.						
(Continued on DD 1391c)						

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
GYMNASIUM		P-151	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... 11-88			
(b) Percent Complete as of January 1990..... 100			
(c) Date Design 35% Complete..... 5-89			
(d) Date Design Complete..... 1-90			
(2) Basis:			
(a) Standard or Definitive Design: Yes No <input checked="" type="checkbox"/> X			
(b) Where Design Was Most Recently Used: N/A			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( 180 )			
(b) All Other Design Costs..... ( 120 )			
(c) Total..... 300			
(d) Contract..... ( 0 )			
(e) In-house..... ( 300 )			
(4) Construction start..... 12-90			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT <b>NAVY</b>		2. DATE		
3. INSTALLATION AND LOCATION <b>NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA</b>		4. PROJECT TITLE <b>LECTURE HALL ADDITION AND SEISMIC UPGRADE</b>		
5. PROGRAM ELEMENT <b>0805796N</b>	6. CATEGORY CODE <b>25</b>	7. PROJECT NUMBER <b>P-161</b>	8. PROJECT COST (\$000) <b>2,180</b>	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
LECTURE HALL ADDITION AND SEISMIC UPGRADE. .	LS	-	-	1,970
BUILDING ADDITION. . . . .	SF	6,000	145.00	( 870)
SEISMIC UPGRADE. . . . .	LS	-	-	( 960)
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 140)
SUBTOTAL . . . . .	-	-	-	1,970
CONTINGENCY (5%) . . . . .	-	-	-	100
TOTAL CONTRACT COST. . . . .	-	-	-	2,070
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	110
TOTAL REQUEST. . . . .	-	-	-	2,180
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
One-story reinforced concrete and masonry building addition, concrete foundation and floor, built-up roof, seismic upgrade, fire protection system, ventilation system, utilities.				
11. REQUIREMENT: <u>As Required.</u>				
PROJECT: Provides additional 600 seating capacity in the lecture hall, and increases the buildings resistance to seismic forces. (Current mission.)				
REQUIREMENT: Adequate facility to accommodate seating the student population in the lecture hall. Increase the strength of the building to resist seismic forces.				
CURRENT SITUATION: A seismic investigation by a structural engineering firm determined KING HALL was seismically unsafe. Additionally, the increased student body has exceeded the originally designed capacity of 1,170 students. These conditions allow less than two thirds of the students to attend a lecture at one time.				
IMPACT IF NOT PROVIDED: The building will remain deficient in its ability to resist seismic forces. If an earthquake above medium magnitude should occur near this installation the damage to the structure and injuries to the occupants would potentially be extensive. Attendance will continue to be limited in the lecture hall with at least one-third of the students unable to participate during important functions. Conducting the necessary academic chain of informational programs will continue to meet with serious instructional problems because of limited seating.				
(Continued on DD 1391c)				

1. COMPONENT  NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION  NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA		
4. PROJECT TITLE  LECTURE HALL ADDITION AND SEISMIC UPGRADE	5. PROJECT NUMBER  P-161	
<p>11. REQUIREMENT: (Continued)</p> <p><b>ADDITIONAL:</b> Campus space studies on present and future facilities requirements conclude a lecture hall auditorium space deficiency exists. A seismic vulnerability study of the building has been prepared with remedial schemes to satisfy the deficiencies. Construction costs will be higher than the standard building design because of the seismic criteria requirement of zone 4, and adapting an existing building to new requirements.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <p>(a) Date Design Started..... 10-88</p> <p>(b) Percent Complete as of January 1990..... 100</p> <p>(c) Date Design 35% Complete..... 3-89</p> <p>(d) Date Design Complete..... 9-89</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes _____ No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( 110 )</p> <p>(b) All Other Design Costs..... ( 100 )</p> <p>(c) Total..... 210</p> <p>(d) Contract..... ( 180 )</p> <p>(e) In-house..... ( 30 )</p> <p>(4) Construction start..... 1-91</p> <p style="text-align: right;">(month and year)</p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>		

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> <b>MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA</b>				4. PROJECT TITLE <b>PUBLIC WORKS COMPLEX</b>		
5. PROGRAM ELEMENT <b>0805796N</b>		6. CATEGORY CODE <b>219.10</b>		7. PROJECT NUMBER <b>P-146</b>		8. PROJECT COST (\$000) <b>4,600</b>
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
PUBLIC WORKS COMPLEX . . . . .		SF	35,950	-	2,830	
SHOPS . . . . .		SF	28,400	71.00	(2,020)	
ADMINISTRATIVE AREA . . . . .		SF	3,000	116.00	( 350)	
AUTOMOTIVE VEHICLE SHOP . . . . .		SF	4,550	101.00	( 460)	
SUPPORTING FACILITIES . . . . .		-	-	-	1,320	
SPECIAL CONSTRUCTION FEATURES . . . . .		LS	-	-	( 100)	
UTILITIES . . . . .		LS	-	-	( 600)	
PAVING AND SITE IMPROVEMENT . . . . .		LS	-	-	( 550)	
DEMOLITION . . . . .		LS	-	-	( 70)	
SUBTOTAL . . . . .		-	-	-	4,150	
CONTINGENCY (5%) . . . . .		-	-	-	210	
TOTAL CONTRACT COST . . . . .		-	-	-	4,360	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .		-	-	-	240	
TOTAL REQUEST . . . . .		-	-	-	4,600	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	- (NON-ADD)		( 0)	
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b> Six one-story reinforced concrete and masonry buildings, concrete floors, concrete spread foundations, engineered fill, concrete roof over metal decking, fire protection systems, air conditioning, utilities, security fencing; demolition of two buildings.						
<b>11. REQUIREMENT:</b> 45,550 SF. ADEQUATE: 9,600 SF. SUBSTANDARD: 0 SF. <b>PROJECT:</b> Provides a centrally located public works complex. (Current mission.) <b>REQUIREMENT:</b> Adequate and properly-configured facilities to accommodate collocating all public works functions in a central complex. An integration of the electrical, plumbing, carpentry, painting, and gardening shops, with the administration office, maintenance storage, and operational spaces in the same complex would provide a more effective and efficient public works operation. <b>CURRENT SITUATION:</b> Many Public Works shops are located on the sites of planned academic expansion. Existing shops are of temporary construction and in need of replacement. <b>IMPACT IF NOT PROVIDED:</b> The Public Works facilities will not be available to support maintenance of the schools academic buildings and other functions.						

(Continued on DD 1391c)

1. COMPONENT	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		
3. INSTALLATION AND LOCATION		
NAVAL POSTGRADUATE SCHOOL, MONTEREY, CALIFORNIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
PUBLIC WORKS COMPLEX	P-146	
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... 11-88</p> <p>(b) Percent Complete as of January 1990..... 100</p> <p>(c) Date Design 35% Complete..... 5-89</p> <p>(d) Date Design Complete..... 1-90</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( 230 )</p> <p>(b) All Other Design Costs..... ( 200 )</p> <p>(c) Total..... 430</p> <p>(d) Contract..... ( 390 )</p> <p>(e) In-house..... ( 40 )</p> <p>(4) Construction start..... 11-90</p> <p style="text-align: right;">(month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE																																																														
3. INSTALLATION AND LOCATION  NAVAL AIR STATION, NORTH ISLAND, CALIFORNIA						4. COMMAND  COMMANDER IN CHIEF, PACIFIC FLEET			5. AREA CONSTR. COST INDEX  1.21																																																												
6. PERSONNEL STRENGTH		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3">PERMANENT</th> <th colspan="3">STUDENTS</th> <th colspan="3">SUPPORTED</th> <th rowspan="2">TOTAL</th> </tr> <tr> <th>OFFICER</th> <th>ENLISTED</th> <th>CIVILIAN</th> <th>OFFICER</th> <th>ENLISTED</th> <th>CIVILIAN</th> <th>OFFICER</th> <th>ENLISTED</th> <th>CIVILIAN</th> </tr> <tr> <td colspan="10">a. AS OF 09/30/88</td> </tr> <tr> <td>1927</td> <td>13843</td> <td>3414</td> <td>234</td> <td>401</td> <td>0</td> <td>45</td> <td>670</td> <td>0</td> <td>20534</td> </tr> <tr> <td colspan="10">b. END FY 1994</td> </tr> <tr> <td>1939</td> <td>13331</td> <td>3414</td> <td>191</td> <td>405</td> <td>0</td> <td>51</td> <td>683</td> <td>0</td> <td>20014</td> </tr> </table>									PERMANENT			STUDENTS			SUPPORTED			TOTAL	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	a. AS OF 09/30/88										1927	13843	3414	234	401	0	45	670	0	20534	b. END FY 1994										1939	13331	3414	191	405	0	51	683	0	20014
PERMANENT			STUDENTS			SUPPORTED			TOTAL																																																												
OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN																																																													
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b. END FY 1994																																																																					
1939	13331	3414	191	405	0	51	683	0	20014																																																												
7. INVENTORY DATA (\$100)																																																																					
a. TOTAL ACREAGE ( 48,086)																																																																					
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 336,540																																																																					
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 29,700																																																																					
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 1,500																																																																					
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0																																																																					
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 5,650																																																																					
g. REMAINING DEFICIENCY . . . . . 206,850																																																																					
h. GRAND TOTAL . . . . . 580,240																																																																					
8. PROJECTS REQUESTED IN THIS PROGRAM:																																																																					
<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th rowspan="2">CATEGORY CODE</th> <th rowspan="2">PROJECT TITLE</th> <th rowspan="2">SCOPE</th> <th rowspan="2">COST (\$000)</th> <th colspan="2">DESIGN STATUS</th> </tr> <tr> <th>START</th> <th>COMPLETE</th> </tr> <tr> <td>421.22</td> <td>HIGH EXPLOSIVE MAGAZINES</td> <td>8,000 SF</td> <td>1,500</td> <td>10/88</td> <td>09/89</td> </tr> <tr> <td></td> <td>TOTAL</td> <td></td> <td>1,500</td> <td></td> <td></td> </tr> </table>											CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS		START	COMPLETE	421.22	HIGH EXPLOSIVE MAGAZINES	8,000 SF	1,500	10/88	09/89		TOTAL		1,500																																									
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS																																																																	
				START	COMPLETE																																																																
421.22	HIGH EXPLOSIVE MAGAZINES	8,000 SF	1,500	10/88	09/89																																																																
	TOTAL		1,500																																																																		
9. FUTURE PROJECTS:																																																																					
A. INCLUDED IN FOLLOWING PROGRAM NONE																																																																					
B. MAJOR PLANNED NEXT THREE YEARS:																																																																					
134.70	RATCF	LS	3,150																																																																		
421.72	SEALANCE MAGAZINE	LS	2,500																																																																		
10. MISSION OR MAJOR FUNCTIONS:																																																																					
Maintain and operate facilities and provide services and material to support operations of aviation activities and units of the Pacific Fleet.																																																																					
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)																																																																					
A: POLLUTION ABATEMENT 1,620																																																																					
B: INSTALLATION RESTORATION 8,170																																																																					
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0																																																																					

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL AIR STATION, NORTH ISLAND, CALIFORNIA				4. PROJECT TITLE HIGH EXPLOSIVE MAGAZINES		
5. PROGRAM ELEMENT 0204696N		6. CATEGORY CODE 421.22	7. PROJECT NUMBER P-573		8. PROJECT COST (\$000) 1,500	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
HIGH EXPLOSIVE MAGAZINES . . . . .		SF	8,000	154.00	1,230	
SUPPORTING FACILITIES. . . . .		-	-	-	120	
UTILITIES. . . . .		LS	-	-	( 50)	
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 70)	
SUBTOTAL . . . . .		-	-	-	1,350	
CONTINGENCY (5%) . . . . .		-	-	-	70	
TOTAL CONTRACT COST. . . . .		-	-	-	1,420	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .		-	-	-	80	
TOTAL REQUEST. . . . .		-	-	-	1,500	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	- (NON-ADD)		( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Four cast-in-place reinforced concrete-arch storage magazines, concrete floors and working aprons, utilities.						
11. REQUIREMENT: 8,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF. PROJECT: Provides weapons storage magazines. (Current mission.) REQUIREMENT: Adequate and properly-configured weapons storage magazines, concrete working apron, and supporting facilities to accomplish this station's mission to support fleet units. CURRENT SITUATION: Weapons storage space does not exist. IMPACT IF NOT PROVIDED: Impaired ability of the weapons department to perform its mission.						
12. SUPPLEMENTAL DATA:						
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")						
(1) Status:						
(a) Date Design Started..... 10-88						
(b) Percent Complete as of January 1990..... 100						
(c) Date Design 35% Complete..... 3-89						
(d) Date Design Complete..... 9-89						
(Continued on DD 1391c)						



1. COMPONENT NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE										
3. INSTALLATION AND LOCATION NAVAL AIR STATION, NORTH ISLAND, CALIFORNIA												
4. PROJECT TITLE HIGH EXPLOSIVE MAGAZINES	5. PROJECT NUMBER P-573											
<p>12. SUPPLEMENTAL DATA: (Continued)</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes _____ No <u>X</u> _____</p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(a) Production of Plans and Specifications.....</td> <td style="width: 20%; text-align: right;">( <u>50</u> )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( <u>95</u> )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">( <u>145</u> )</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( <u>95</u> )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( <u>50</u> )</td> </tr> </table> <p>(4) Construction start..... <u>1-91</u> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Production of Plans and Specifications.....	( <u>50</u> )	(b) All Other Design Costs.....	( <u>95</u> )	(c) Total.....	( <u>145</u> )	(d) Contract.....	( <u>95</u> )	(e) In-house.....	( <u>50</u> )
(a) Production of Plans and Specifications.....	( <u>50</u> )											
(b) All Other Design Costs.....	( <u>95</u> )											
(c) Total.....	( <u>145</u> )											
(d) Contract.....	( <u>95</u> )											
(e) In-house.....	( <u>50</u> )											

1. COMPONENT <b>NAVY</b>		FY 1991 <b>MILITARY CONSTRUCTION PROGRAM</b>					2. DATE			
3. INSTALLATION AND LOCATION <b>PACIFIC MISSILE TEST CENTER, POINT MUGU, CALIFORNIA</b>				4. COMMAND <b>NAVAL AIR SYSTEMS COMMAND</b>		5. AREA CONSTR. COST INDEX <b>1.25</b>				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	348	2229	4339	0	0	0	128	341	0	7386
b. END FY 1994	365	2198	4340	0	0	0	108	281	0	7292
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 27,093 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 201,610										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 33,660										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 2,060										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 900										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 11,600										
g. REMAINING DEFICIENCY . . . . . 27,410										
h. GRAND TOTAL . . . . . 277,440										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE				
872.10	SECURITY IMPROVEMENTS			LS	2,060	11/88	01/90			
	TOTAL				2,060					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
421.72	MISSILE MAGAZINE			5.050 SF	900					
	TOTAL				900					
B. MAJOR PLANNED NEXT THREE YEARS:										
319.40	RANGE OPERATIONS CENTER			LS	11,600					
10. MISSION OR MAJOR FUNCTIONS:										
Perform development, test and evaluation, follow-on engineering, logistics and training for Naval weapons systems. Provide major range technical and base support for fleet users and other DOD and government agencies. Provide range, target and other support services for fleet training and fleet operational test and evaluation programs and projects.										
<div style="display: flex; justify-content: space-between;"> <div style="width: 45%;"> VX-4 with 13 aircraft  NAS Point Mugu with 32 aircraft  VXE-6 with 13 aircraft  VFA-30 with 9 aircraft </div> <div style="width: 45%;"> Naval Air Reserve Unit with 9 aircraft  VAQ-34 with 10 aircraft  Range tracking facilities - San Nicholas Island </div> </div>										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 2,110										
B: INSTALLATION RESTORATION 4,470										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION PACIFIC MISSILE TEST CENTER, POINT MUGU, CALIFORNIA			4. PROJECT TITLE SECURITY IMPROVEMENTS		
5. PROGRAM ELEMENT 0605896N	6. CATEGORY CODE 872.10	7. PROJECT NUMBER P-063	8. PROJECT COST (\$000) 2,060		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
SECURITY IMPROVEMENTS. . . . .	LS	-	-	1,860	
ALARM CONTROL CENTER . . . . .	LS	-	-	( 70)	
FENCING. . . . .	LF	19,700	24.00	( 470)	
LIGHTING . . . . .	LS	-	-	( 370)	
ACCESS PAVILIONS AND GUARD HOUSE . . . . .	LS	-	-	( 100)	
UTILITIES. . . . .	LS	-	-	( 850)	
SUBTOTAL . . . . .	-	-	-	1,860	
CONTINGENCY (5%) . . . . .	-	-	-	90	
TOTAL CONTRACT COST. . . . .	-	-	-	1,950	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	110	
TOTAL REQUEST. . . . .	-	-	-	2,060	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(6,000)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Security lighting, controlled access pavilions, chain link fencing, building modifications for alarm control center, 50 KW emergency generator, site preparation for IDS system, utilities.					
11. REQUIREMENT: <u>As Required.</u>					
PROJECT: Provides upgraded security at this aircraft and missile test and development activity with an "enclave" concept of protection around critical assets by restricting and controlling access. The concept is comprised of a sensed fence and buried line sensors to detect an attempted or actual intrusion. Lighted clear-zones will be watched using closed circuit television. Features to limit vehicle penetration will also be provided. (Current mission.)					
REQUIREMENT: Adequate physical security for critical test and development aircraft, missiles, equipment, facilities and personnel. Surveillance of these assets will provide protection and reduce pilferage at the activity and help promote the loss prevention program. Terrorism around the world is on the increase. Targets include US military installations, equipment and personnel. Experiences, such as destruction of Navy aircraft in San Juan several years ago, highlight the need to improve security around military installations and airfields. Monitoring devices, alarms, lighting and a surveillance control center will greatly improve effectiveness of fencing and will protect valuable assets. Less visible but just as					
(Continued on DD 1391c)					

1. COMPONENT NAVY	2. DATE
FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION PACIFIC MISSILE TEST CENTER, POINT MUGU, CALIFORNIA	
4. PROJECT TITLE SECURITY IMPROVEMENTS	5. PROJECT NUMBER P-063
<p>11. REQUIREMENT: (Continued)  damaging is the threat of espionage of technologies and weapons development. After recent loss of submarine technologies through spies and technology transfers, the Navy has stepped-up its effort to protect important military developments. PMTC Point Mugu is the Navy's primary air-to-air missile test and development center. It also provides life-cycle software and update support to Navy and Air Force missiles in the inventory. PMTC projects involve missile testing, fire control, electronic warfare and countermeasures, electromagnetic reconnaissance and search, special sensor studies, ocean surveillance, command and control and Naval Air Station operations with 138 aircraft attached. It is a very large installation encompassing 27,000 acres including ocean front and wetlands. It is an installation ideally suited to the "enclave" security concept because facilities are clustered in dry areas throughout the base. New missiles or existing missiles scheduled for extensive modifications are thoroughly tested prior to full scale production. Loss of hardware and computer software or the "eavesdrop" monitoring of tests through espionage would compromise the combat effectiveness of the aircraft, missiles and the subsystems. It would also make development of countermeasures by potential enemies much easier. Improved physical security measures is a proven method of greatly reducing the terrorist threat and the loss of technology and military secrets through espionage.</p> <p><u>CURRENT SITUATION:</u> Like most military installations, Point Mugu's primary means of security protection is a perimeter fence and security patrols. In general, once inside the installation, a person has unchallenged access to most assets. Assets are left unattended in dark or in poorly-lit areas. With these conditions, intruders could do considerable damage to Navy assets with a low risk of being apprehended. Persons could enter unoccupied buildings and steal hardware or information. "Eavesdroppers" could set up monitoring stations on-base and receive test data through visual and electronic means. The proposed physical security improvements will provide an integrated security system completely encompassing critical assets, with the capability to deter or detect unauthorized intruders seeking entry into sensitive areas.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Access to the base is de facto access to sensitive and classified mission assets and information. Weapons systems, classified test and evaluation data and aviation assets will continue to be vulnerable to compromise or destruction. Loss of this data would enable hostile forces to nullify weapons designs prior to their initial operational capability and devise similar advanced weapons at a greatly reduced cost.</p>	

(Continued on DD 1391c)

1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE																																		
3. INSTALLATION AND LOCATION <b>PACIFIC MISSILE TEST CENTER, POINT MUGU, CALIFORNIA</b>																																				
4. PROJECT TITLE <b>SECURITY IMPROVEMENTS</b>	5. PROJECT NUMBER <b>P-063</b>																																			
<p><b>12. SUPPLEMENTAL DATA:</b></p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <table style="margin-left: 20px;"> <tr><td>(a) Date Design Started.....</td><td style="text-align: right;">11-88</td></tr> <tr><td>(b) Percent Complete as of January 1990.....</td><td style="text-align: right;">100</td></tr> <tr><td>(c) Date Design 35% Complete.....</td><td style="text-align: right;">5-89</td></tr> <tr><td>(d) Date Design Complete.....</td><td style="text-align: right;">1-90</td></tr> </table> <p>(2) Basis:</p> <table style="margin-left: 20px;"> <tr><td>(a) Standard or Definitive Design:</td><td style="text-align: right;">Yes</td><td style="text-align: right;">No</td><td style="text-align: right;">X</td></tr> <tr><td>(b) Where Design Was Most Recently Used:</td><td colspan="3" style="text-align: right;">N/A</td></tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="margin-left: 20px;"> <tr><td>(a) Production of Plans and Specifications.....</td><td style="text-align: right;">( 100 )</td></tr> <tr><td>(b) All Other Design Costs.....</td><td style="text-align: right;">( 90 )</td></tr> <tr><td>(c) Total.....</td><td style="text-align: right;">190</td></tr> <tr><td>(d) Contract.....</td><td style="text-align: right;">( 70 )</td></tr> <tr><td>(e) In-house.....</td><td style="text-align: right;">( 120 )</td></tr> </table> <p>(4) Construction start..... <span style="float: right;">12-90</span> <span style="float: right;">(month and year)</span></p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="margin-left: 80px; width: 100%;"> <thead> <tr> <th style="text-align: left;">Equipment Nomenclature</th> <th style="text-align: left;">Procuring Appropriation</th> <th style="text-align: left;">Fiscal Year Appropriated or Requested</th> <th style="text-align: left;">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Intrusion detection system, monitoring equipment, gates, turnstiles, electrical cables, alarm control center</td> <td>RDT&amp;E</td> <td>1990</td> <td>6,000</td> </tr> </tbody> </table> </div>			(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A			(a) Production of Plans and Specifications.....	( 100 )	(b) All Other Design Costs.....	( 90 )	(c) Total.....	190	(d) Contract.....	( 70 )	(e) In-house.....	( 120 )	Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	Intrusion detection system, monitoring equipment, gates, turnstiles, electrical cables, alarm control center	RDT&E	1990	6,000
(a) Date Design Started.....	11-88																																			
(b) Percent Complete as of January 1990.....	100																																			
(c) Date Design 35% Complete.....	5-89																																			
(d) Date Design Complete.....	1-90																																			
(a) Standard or Definitive Design:	Yes	No	X																																	
(b) Where Design Was Most Recently Used:	N/A																																			
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Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)																																	
Intrusion detection system, monitoring equipment, gates, turnstiles, electrical cables, alarm control center	RDT&E	1990	6,000																																	

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION  NAVAL SHIP WEAPON SYSTEMS ENGINEERING STATION, PORT HUENEME, CALIFORNIA					4. COMMAND  NAVAL SEA SYSTEMS COMMAND			5. AREA CONSTR. COST INDEX  1.18			
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1994		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
		20	90	2029	0	0	0	0	0	0	
		21	88	2029	0	0	0	0	0	0	2138
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE . . . . . TENANT OF NCBC											
b. INVENTORY TOTAL AS OF 30 SEP. 88 . . . . . 20,130											
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 0											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 10,100											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0											
g. REMAINING DEFICIENCY . . . . . 14,690											
h. GRAND TOTAL . . . . . 44,920											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS START      COMPLETE	
315.30		WPNS SYS INTEGRATION LAB				107,370 SF		10,100		11/88    01/90	
		TOTAL						10,100			
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM NONE											
B. MAJOR PLANNED NEXT THREE YEARS: NONE											
10. MISSION OR MAJOR FUNCTIONS:											
Provides in-service engineering, test, evaluation, and program management for the following weapon systems and components: HARPOON, STANDARD missile, tomahawk, Basic Point Defense, AEGIS, NATO SEASPARROW, Target Acquisition System, AN/SPS-65 Radar, MK 92 Fire Control, and MK 86 Gun Fire Control System.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT . . . . . 0											
B: INSTALLATION RESTORATION . . . . . 0											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): . . . . . 0											

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL SHIP WEAPON SYSTEMS ENGINEERING STATION, PORT HUENEME, CALIFORNIA</b>				4. PROJECT TITLE <b>WEAPON SYSTEMS INTEGRATION LABORATORY</b>		
5. PROGRAM ELEMENT <b>0702096N</b>		6. CATEGORY CODE <b>315.30</b>	7. PROJECT NUMBER <b>P-012</b>		8. PROJECT COST (\$000) <b>10,100</b>	
9. COST ESTIMATES						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
WEAPON SYSTEMS INTEGRATION LABORATORY. . . .	SF	107,370	-	8,170		
BUILDING . . . . .	SF	107,370	64.00	( 6,870)		
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 1,300)		
SUPPORTING FACILITIES. . . . .	-	-	-	940		
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 180)		
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 200)		
MECHANICAL UTILITIES . . . . .	LS	-	-	( 60)		
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 270)		
DEMOLITION . . . . .	LS	-	-	( 230)		
SUBTOTAL . . . . .	-	-	-	9,110		
CONTINGENCY (5%) . . . . .	-	-	-	460		
TOTAL CONTRACT COST. . . . .	-	-	-	9,570		
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	530		
TOTAL REQUEST. . . . .	-	-	-	10,100		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Two-story steel frame and masonry building, concrete foundation and floors, built-up roof, engineered fill, elevators, computer flooring, ventilation, air conditioning, fire protection system, utilities; demolition of six buildings.						
11. REQUIREMENT: <u>282,370</u> SF. ADEQUATE: <u>175,000</u> SF. SUBSTANDARD: <u>0</u> SF.						
PROJECT: Constructs laboratory space and ancillary facilities for weapon systems in-service engineering, automatic data processing, logistics, personnel and equipment. (Current mission.)						
REQUIREMENT: Adequate specially-configured facility for performance of reliability, maintainability and accountability, computer program support, maintenance engineering, and integrated logistics support for such weapon systems as MK-86 gun fire control system, TERRIER, BASIC POINT DEFENSE, and NATO SEASPARROW. Space is necessary for: total in-service engineering for the MK-86 and TERRIER weapon systems, including redesign and laboratory functions. The need for in-service engineering and other logistics support for these operational weapons systems is increasing in direct proportion to the growing number of ships employing them. While comprehensive R&D facilities are not necessary, adequate laboratory space is required to correct and resolve performance and reliability deficiencies. As changes are proposed, testing and check-out of the weapon system and combat system interfaces must be performed. These functions require spaces for engineers and technicians to perform test and check-out functions, fault analysis functions, bread-board development efforts and instrumentation design.						
(Continued on DD 1391c)						

1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE																						
3. INSTALLATION AND LOCATION <b>NAVAL SHIP WEAPON SYSTEMS ENGINEERING STATION, PORT HUENEME, CALIFORNIA</b>																								
4. PROJECT TITLE <b>WEAPON SYSTEMS INTEGRATION LABORATORY</b>	5. PROJECT NUMBER <b>P-012</b>																							
<p><b>11. REQUIREMENT: (Continued)</b>  <b>CURRENT SITUATION:</b> Most facilities at the activity are inadequate, having reached a state of deterioration beyond economical repair. Many of the on-station facilities are trailer-like temporary structures and many are semi-permanent structures. Nineteen percent of the workforce occupies leased space off base because of the space shortage. Retention of the mostly young staff of highly trained engineers and technicians is impossible because they must work in inadequate semi-permanent buildings, trailers and leased commercial facilities miles away. Day-to-day maintenance is consuming an increasingly larger part of the operating budget. Security is a critical problem in that most sensitive weapon systems' materials must be transported off-base through the surrounding community. A Navy Environmental and Preventive Medicine Unit report on these facilities was highly critical of sanitation, ventilation, and the crowded conditions.  <b>IMPACT IF NOT PROVIDED:</b> Inadequate assets will be physically incapable of supporting an increasing workload. The continued dispersion of facilities will dissipate in-service engineering and logistics support productivity. Retention of trained and qualified staff will be a continuing problem.</p> <p><b>12. SUPPLEMENTAL DATA:</b>  a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 40px;"> <p>(1) Status:</p> <table style="margin-left: 20px;"> <tr><td>(a) Date Design Started.....</td><td style="text-align: right;">11-88</td></tr> <tr><td>(b) Percent Complete as of January 1990.....</td><td style="text-align: right;">100</td></tr> <tr><td>(c) Date Design 35% Complete.....</td><td style="text-align: right;">5-89</td></tr> <tr><td>(d) Date Design Complete.....</td><td style="text-align: right;">1-90</td></tr> </table> <p>(2) Basis:</p> <table style="margin-left: 20px;"> <tr><td>(a) Standard or Definitive Design:</td><td style="text-align: right;">Yes _____ No <u>X</u></td></tr> <tr><td>(b) Where Design Was Most Recently Used:</td><td style="text-align: right;">N/A</td></tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="margin-left: 20px;"> <tr><td>(a) Production of Plans and Specifications.....</td><td style="text-align: right;">( 500 )</td></tr> <tr><td>(b) All Other Design Costs.....</td><td style="text-align: right;">( 460 )</td></tr> <tr><td>(c) Total.....</td><td style="text-align: right;">960</td></tr> <tr><td>(d) Contract.....</td><td style="text-align: right;">( 900 )</td></tr> <tr><td>(e) In-house.....</td><td style="text-align: right;">( 60 )</td></tr> </table> <p>(4) Construction start..... <span style="float: right;">1-91</span>  <span style="float: right;">(month and year)</span></p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>			(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	( 500 )	(b) All Other Design Costs.....	( 460 )	(c) Total.....	960	(d) Contract.....	( 900 )	(e) In-house.....	( 60 )
(a) Date Design Started.....	11-88																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	5-89																							
(d) Date Design Complete.....	1-90																							
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(c) Total.....	960																							
(d) Contract.....	( 900 )																							
(e) In-house.....	( 60 )																							



1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION BATTALION CENTER, PORT HUENEME, CALIFORNIA					4. COMMAND NAVAL FACILITIES ENGINEERING COMMAND			5. AREA CONSTR. COST INDEX 1.18			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88		210	3207	2262	50	511	0	6	273	0	6522
b. END FY 1994		222	3143	2262	111	728	0	5	305	0	6776
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 2,408 )											
b. INVENTORY TOTAL AS OF 30 SEP 88 96,660											
c. AUTHORIZATION NOT YET IN INVENTORY 38,120											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 2,000											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 36,800											
f. PLANNED IN NEXT THREE PROGRAM YEARS 16,520											
g. REMAINING DEFICIENCY 22,560											
h. GRAND TOTAL 212,660											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
812.12		ELECTRICAL DIST SYS IMPR				LS	2,000	02/89 06/90			
		TOTAL					2,000				
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
143.41		UC2-2 OPS FACILITY				LS	6,000				
219.10		PUBLIC WORKS SHOPS COMPLEX				LS	5,000				
441.10		PWRMS WARHOUSE				LS	14,900				
610.10		PERSONNEL SUPPORT COMPLEX				37,000 SF	4,900				
740.43		GYMNASIUM				LS	4,100				
740.74		CHILD DEV CTR ADDITION				5,500 SF	1,900				
		TOTAL					36,800				
10. MISSION OR MAJOR FUNCTIONS:											
Support the Naval Construction Force, fleet units and assigned organizational units deployed from, or homeported at the center; support mobilization requirements of the Naval Construction Force; store, preserve, and ship advanced base and mobilization stocks.											
Naval construction Regiment      Naval Construction Training Center Four Naval Mobile Construction      Naval Civil Engineering Laboratory Battalions Naval Ship Weapon Systems Engineering Station											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 920											
B: INSTALLATION RESTORATION 46,170											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 5,620											

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION BATTALION CENTER, PORT HUENEME, CALIFORNIA			4. PROJECT TITLE ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENT		
5. PROGRAM ELEMENT 0702896N	6. CATEGORY CODE 812.12	7. PROJECT NUMBER P-474	8. PROJECT COST (\$000) 2,000		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENT .	LS	-	-	1,810	
SUBSTATIONS. . . . .	LS	-	-	( 940)	
SUBSTATION MODIFICATIONS . . . . .	LS	-	-	( 440)	
12 KV FEEDER LINE. . . . .	LS	-	-	( 170)	
SOUTHERN CALIFORNIA EDISON EQUIP & LINES.	LS	-	-	( 260)	
SUBTOTAL . . . . .	-	-	-	1,810	
CONTINGENCY (5%) . . . . .	-	-	-	90	
TOTAL CONTRACT COST. . . . .	-	-	-	1,900	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	100	
TOTAL REQUEST. . . . .	-	-	-	2,000	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION Provide 66 KV/12 KV 20,000 KVA electrical service from Southern California Edison; two substations, switchgear, modify substation, connecting and feeder lines between transformers and switchgear equipment.					
11. REQUIREMENT: As Required. PROJECT: Provides electrical service from Southern California Edison to serve current and future electric power demand. (Current mission.) REQUIREMENT: Adequate electric power service to accommodate demands of users including Naval Construction Battalion Center (NCBC) activities, family housing, tenant activities, and leasing facilities. A 20,000 KVA electric power service is vital to meet the NCBC base mission. The increase in electric power results from an increase in operations, and completion of construction projects to come on line at NCBC. CURRENT SITUATION: The existing electric power service capacity is limited to 7,500 KVA continuous and 10,000 KVA peak. The continuous electrical load during office hours in 1986 was 8,000 KVA with peak <del>at</del> 8,700 KVA, which are very close to the NCBC capacity. It is anticipated the existing substation will reach its maximum service capability in 1990. IMPACT IF NOT PROVIDED: NCBC mission accomplishment will severely deteriorate. Limited to no operations growth potential, administrative and data processing will be hampered because of brown-outs, and an adverse effect on morale and productivity.					
(Continued on DD 1391c)					

1. COMPONENT <b>NAVY</b>	<b>FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
3. INSTALLATION AND LOCATION <b>NAVAL CONSTRUCTION BATTALION CENTER, PORT HUENEME, CALIFORNIA</b>		
4. PROJECT TITLE <b>ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENT</b>	5. PROJECT NUMBER <b>P-474</b>	

**12. SUPPLEMENTAL DATA:**

a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a) Date Design Started.....	<u>2-89</u>
(b) Percent Complete as of January 1990.....	<u>50</u>
(c) Date Design 35% Complete.....	<u>9-89</u>
(d) Date Design Complete.....	<u>6-90</u>

(2) Basis:

(a) Standard or Definitive Design:	Yes <u>      </u> No <u>X</u>
(b) Where Design Was Most Recently Used:	<u>N/A</u>

(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)

(a) Production of Plans and Specifications.....	( <u>95</u> )
(b) All Other Design Costs.....	( <u>50</u> )
(c) Total.....	<u>145</u>
(d) Contract.....	( <u>130</u> )
(e) In-house.....	( <u>15</u> )

(4) Construction start..... 1-91  
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION FLEET ANTISUB WARFARE TRAINING CENTER PACIFIC, SAN DIEGO, CALIFORNIA					4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING		5. AREA CONSTR. COST INDEX 1.21			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	128	949	96	46	2126	0	0	0	0	3345
b. END FY 1994	126	1060	95	83	2846	0	0	0	0	4210
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 37)										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 38,360										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 5,020										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 2,100										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 1,450										
g. REMAINING DEFICIENCY . . . . . 19,540										
h. GRAND TOTAL . . . . . 66,470										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
171.20	APPLIED INSTR BLDG ADDN				19,680 SF	2,100	11/88	01/90		
	TOTAL					2,100				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS:										
155.20	SMALL CRAFT BERTHING				1,590 FB	1,450				
10. MISSION OR MAJOR FUNCTIONS:										
Train personnel in the technical aspects of anti-submarine warfare, the operational and tactical use of sonar and anti-submarine warfare weapons and their applied equipments, and in the operations and maintenance of equipment and weapons.										
OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 140										
B: INSTALLATION RESTORATION 30										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

<b>1. COMPONENT</b> NAVY		<b>FY 19 91 MILITARY CONSTRUCTION PROJECT DATA</b>		<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> FLEET ANTI-SUBMARINE WARFARE TRAINING CENTER PACIFIC, SAN DIEGO, CALIFORNIA			<b>4. PROJECT TITLE</b> APPLIED INSTRUCTION BUILDING ADDITION		
<b>5. PROGRAM ELEMENT</b> 0805796N	<b>6. CATEGORY CODE</b> 171.20	<b>7. PROJECT NUMBER</b> P-228	<b>8. PROJECT COST (\$000)</b> 2,100		
<b>9. COST ESTIMATES</b>					
<b>ITEM</b>	<b>U/M</b>	<b>QUANTITY</b>	<b>UNIT COST</b>	<b>COST (\$000)</b>	
APPLIED INSTRUCTION BUILDING ADDITION. . . . .	SF	19,680	90.00	1,770	
SUPPORTING FACILITIES. . . . .	-	-	-	130	
UTILITIES AND SITE IMPROVEMENT. . . . .	LS	-	-	( 130)	
SUBTOTAL. . . . .	-	-	-	1,900	
CONTINGENCY (5%). . . . .	-	-	-	90	
TOTAL CONTRACT COST. . . . .	-	-	-	1,990	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . .	-	-	-	110	
TOTAL REQUEST. . . . .	-	-	-	2,100	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>  One-story steel frame vertical building addition, insulated metal panel walls, reinforced concrete roof, fire protection system, mechanical ventilation, utility connections; relocate existing parapet and roof equipment.  <b>11. REQUIREMENT:</b> 420,910 SF. <b>ADEQUATE:</b> 401,230 SF. <b>SUBSTANDARD:</b> 0 SF. <b>PROJECT:</b> Provides vertical addition to an applied instruction building to house consolidated learning centers and instructor's office spaces. (Current mission.) <b>REQUIREMENT:</b> Adequate and properly-configured facilities to accommodate digital electronics training. <b>CURRENT SITUATION:</b> Digital electronics training is conducted in various buildings in the San Diego complex. <b>IMPACT IF NOT PROVIDED:</b> Mission requirements of the digital electronics training objectives will not be met, creating a serious deficit in electronics training vital to all advanced surface and sonar systems in the fleet.					

(Continued on DD 1391c)

1. COMPONENT <b>NAVY</b>	FY 19 <sup>91</sup> <b>MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE																						
3. INSTALLATION AND LOCATION <b>FLEET ANTI-SUBMARINE WARFARE TRAINING CENTER PACIFIC, SAN DIEGO, CALIFORNIA</b>																								
4. PROJECT TITLE <b>APPLIED INSTRUCTION BUILDING ADDITION</b>		5. PROJECT NUMBER <b>P-228</b>																						
<p><b>12. SUPPLEMENTAL DATA:</b></p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;"><u>11-88</u></td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;"><u>100</u></td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;"><u>5-89</u></td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;"><u>1-90</u></td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes <u>      </u> No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;"><u>N/A</u></td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">(<u>95</u>)</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">(<u>6</u>)</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;"><u>155</u></td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">(<u>120</u>)</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">(<u>35</u>)</td> </tr> </table> <p>(4) Construction start..... <u>11-90</u> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: <b>None.</b></p>			(a) Date Design Started.....	<u>11-88</u>	(b) Percent Complete as of January 1990.....	<u>100</u>	(c) Date Design 35% Complete.....	<u>5-89</u>	(d) Date Design Complete.....	<u>1-90</u>	(a) Standard or Definitive Design:	Yes <u>      </u> No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( <u>95</u> )	(b) All Other Design Costs.....	( <u>6</u> )	(c) Total.....	<u>155</u>	(d) Contract.....	( <u>120</u> )	(e) In-house.....	( <u>35</u> )
(a) Date Design Started.....	<u>11-88</u>																							
(b) Percent Complete as of January 1990.....	<u>100</u>																							
(c) Date Design 35% Complete.....	<u>5-89</u>																							
(d) Date Design Complete.....	<u>1-90</u>																							
(a) Standard or Definitive Design:	Yes <u>      </u> No <u>X</u>																							
(b) Where Design Was Most Recently Used:	<u>N/A</u>																							
(a) Production of Plans and Specifications.....	( <u>95</u> )																							
(b) All Other Design Costs.....	( <u>6</u> )																							
(c) Total.....	<u>155</u>																							
(d) Contract.....	( <u>120</u> )																							
(e) In-house.....	( <u>35</u> )																							

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION  FLEET COMBAT TRAINING CENTER PACIFIC, SAN DIEGO, CALIFORNIA					4. COMMAND  CHIEF OF NAVAL EDUCATION AND TRAINING			5. AREA CONSTR. COST INDEX  1.21		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	164	647	329	64	173	0	9	1	0	1387
b. END FY 1994	168	677	342	77	127	0	9	1	0	1401
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 91)										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 29,250										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 300										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 15,260										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0										
g. REMAINING DEFICIENCY . . . . . 6,250										
h. GRAND TOTAL . . . . . 51,060										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS				
171.20	APPLIED INSTR BLDG ADDN			LS	620	09/88	06/89			
21.11	BEQ AND MESS HALL			94,840 SF	14,640	12/88	06/90			
	TOTAL				15,260					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS: NONE										
10. MISSION OR MAJOR FUNCTIONS:										
Provide training in the operation and employment of specified tactical combat direction and control systems in naval warfare; support operational commanders in the evaluation, development, and analysis of naval warfare doctrines and tactics.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES. (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> <b>MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE	
3. INSTALLATION AND LOCATION <b>FLEET COMBAT TRAINING CENTER PACIFIC, SAN DIEGO, CALIFORNIA</b>				4. PROJECT TITLE <b>BACHELOR ENLISTED QUARTERS AND MESS HALL</b>		
5. PROGRAM ELEMENT <b>0805796N</b>		6. CATEGORY CODE <b>721.11</b>	7. PROJECT NUMBER <b>P-033</b>		8. PROJECT COST (\$000) <b>14,640</b>	
<b>9. COST ESTIMATES</b>						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
BACHELOR ENLISTED QUARTERS AND MESS HALL . .	SF	94,840	-	10,110		
BACHELOR ENLISTED QUARTERS . . . . .	SF	73,500	90.00	( 6,620)		
MESS HALL. . . . .	SF	18,920	170.00	( 3,220)		
CORE ADMINISTRATION BUILDING . . . . .	SF	2,420	111.00	( 270)		
SUPPORTING FACILITIES. . . . .	-	-	-	3,110		
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 250)		
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 680)		
MECHANICAL UTILITIES . . . . .	LS	-	-	( 500)		
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 1,680)		
SUBTOTAL . . . . .	-	-	-	13,220		
CONTINGENCY (5%) . . . . .	-	-	-	660		
TOTAL CONTRACT COST. . . . .	-	-	-	13,880		
SUPERVISION, INSPECTION & OVERHEAD (5.5%)..	-	-	-	760		
TOTAL REQUEST. . . . .	-	-	-	14,640		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>Three three-story and two one-story reinforced concrete and masonry buildings, pile foundations, engineered fill, concrete floors and roof panels, built-up roofs, fire protection and alarm systems, ventilation, utilities; 95 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; kitchen equipment. Grade mix: 197 E1-E4, 61 E5-E6, 15 E7-E9. Total: 273.</p>						
11. REQUIREMENT: 273 PN. ADEQUATE: 0 PN. SUBSTANDARD: 0 PN. PROJECT: Provides adequate billeting for 273 enlisted students and dining facilities for 685 personnel aboard the base. (Current mission.) REQUIREMENT: Adequate housing and messing facilities for 21,000 students, whose number is projected to increase to 22,600. This activity and its tenant commands conduct operational, technical, and tactical training. CURRENT SITUATION: No berthing or messing facilities exist at this activity. Students are currently transported from other activities or from shipboard locations to attend training. These other-base bachelor enlisted quarters will no longer be available to the students after 1989. This loss of housing will require the use of public housing and messing.						
(Continued on DD 1391c)						



1. COMPONENT	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		
3. INSTALLATION AND LOCATION		
FLEET COMBAT TRAINING CENTER PACIFIC, SAN DIEGO, CALIFORNIA		
4. PROJECT TITLE		5. PROJECT NUMBER
BACHELOR ENLISTED QUARTERS AND MESS HALL		P-033
<p>11. REQUIREMENT: (Continued)</p> <p><b>IMPACT IF NOT PROVIDED:</b> Because of the increasing student load and the future need to use public housing, the inefficient utilization of time, limited staff, and housing and messing funds will impair efficiency and mission fulfillment.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... <u>12-88</u></p> <p>(b) Percent Complete as of January 1990..... <u>75</u></p> <p>(c) Date Design 35% Complete..... <u>7-89</u></p> <p>(d) Date Design Complete..... <u>6-90</u></p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes <u>      </u> No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( <u>765</u> )</p> <p>(b) All Other Design Costs..... ( <u>355</u> )</p> <p>(c) Total..... <u>1120</u></p> <p>(d) Contract..... ( <u>1065</u> )</p> <p>(e) In-house..... ( <u>55</u> )</p> <p>(4) Construction start..... <u>12-90</u> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE																								
3. INSTALLATION AND LOCATION  NAVAL HOSPITAL, SAN DIEGO, CALIFORNIA					4. COMMAND  NAVAL MEDICAL COMMAND			5. AREA CONSTR. COST INDEX  1.21																							
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1994		PERMANENT			STUDENTS			SUPPORTED			TOTAL																				
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN																					
		1030	1708	890	0	810	0	0	0	0		4438																			
		1123	1622	890	0	870	0	0	0	0	4505																				
7. INVENTORY DATA (\$000)																															
a. TOTAL ACREAGE ( 121 )																															
b. INVENTORY TOTAL AS OF 30 SEP 88 156,030																															
c. AUTHORIZATION NOT YET IN INVENTORY 22,150																															
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 1,500																															
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0																															
f. PLANNED IN NEXT THREE PROGRAM YEARS 0																															
g. REMAINING DEFICIENCY 0																															
h. GRAND TOTAL 179,680																															
8. PROJECTS REQUESTED IN THIS PROGRAM:																															
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th rowspan="2">CATEGORY CODE</th> <th rowspan="2">PROJECT TITLE</th> <th rowspan="2">SCOPE</th> <th rowspan="2">COST (\$000)</th> <th colspan="2">DESIGN STATUS</th> </tr> <tr> <th>START</th> <th>COMPLETE</th> </tr> </thead> <tbody> <tr> <td>852.10</td> <td>PARKING STRUCTURE</td> <td>LS</td> <td>1,500</td> <td>06/89</td> <td>05/90</td> </tr> <tr> <td></td> <td>TOTAL</td> <td></td> <td>1,500</td> <td></td> <td></td> </tr> </tbody> </table>												CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS		START	COMPLETE	852.10	PARKING STRUCTURE	LS	1,500	06/89	05/90		TOTAL		1,500		
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS																											
				START	COMPLETE																										
852.10	PARKING STRUCTURE	LS	1,500	06/89	05/90																										
	TOTAL		1,500																												
9. FUTURE PROJECTS:																															
A. INCLUDED IN FOLLOWING PROGRAM NONE																															
B. MAJOR PLANNED NEXT THREE YEARS: NONE																															
10. MISSION OR MAJOR FUNCTIONS:																															
Provide a comprehensive range of emergency, outpatient, and inpatient health care services to active duty Navy and Marine Corps personnel, and active duty members of other Federal Uniformed Services. Ensure that all assigned military personnel are properly trained for the performance of their assigned, contingency, and wartime duties. Conduct appropriate education programs for Naval Medical students and Medical Department officers.																															
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)																															
A: POLLUTION ABATEMENT 0																															
B: INSTALLATION RESTORATION 30																															
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0																															

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL HOSPITAL, SAN DIEGO, CALIFORNIA			4. PROJECT TITLE PARKING STRUCTURE		
5. PROGRAM ELEMENT 0807796N	6. CATEGORY CODE 852.10	7. PROJECT NUMBER P-606	8. PROJECT COST (\$000) 1,500		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PARKING STRUCTURE. . . . .	LS	-	-	1,350	
STRUCTURE. . . . .	LS	-	-	(1,300)	
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	( 50)	
SUBTOTAL . . . . .	-	-	-	1,350	
CONTINGENCY (5%) . . . . .	-	-	-	70	
TOTAL CONTRACT COST. . . . .	-	-	-	1,420	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	80	
TOTAL REQUEST. . . . .	-	-	-	1,500	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Pre-cast and poured-in-place reinforced concrete parking structure, connect to existing structure, alter adjacent surface parking, lighting, drainage, site improvements, signage and marking. Scope approximately 500 spaces.</p>					
11. REQUIREMENT: <u>As Required.</u>					
<p><b>PROJECT:</b> Provides multi-level automobile parking structure to accommodate 500 vehicles. (Current mission.)  <b>REQUIREMENT:</b> Adequate parking in proximity of the hospital, out-patient clinics, training buildings, and quarters for 3,000 staff and 1,000 students. The additional parking will also be available for the faculty, out-patients, and visitors.  <b>CURRENT SITUATION:</b> Private vehicles are the most convenient and efficient mode of transportation for commuting to or visiting the hospital. All existing parking spaces are filled during the work day. There is a public parking lot, remote from the hospital grounds, or one can suffer a delay or long waiting periods while awaiting a parking space near the hospital. Many patients and visitors witness lost time and schedule problems.  <b>IMPACT IF NOT PROVIDED:</b> Continued delays, lost time, and scheduling problems as eligible beneficiaries, staff, and students will be unable to park nearby to use major hospital assets.</p>					
(Continued on DD 1391c)					

1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL HOSPITAL, SAN DIEGO, CALIFORNIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
PARKING STRUCTURE		P-606	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... <u>6-89</u>			
(b) Percent Complete as of January 1990..... <u>40</u>			
(c) Date Design 35% Complete..... <u>11-89</u>			
(d) Date Design Complete..... <u>5-90</u>			
(2) Basis:			
(a) Standard or Definitive Design: Yes <u>    </u> No <u>X</u>			
(b) Where Design Was Most Recently Used: <u>N/A</u>			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( <u>70</u> )			
(b) All Other Design Costs..... ( <u>35</u> )			
(c) Total..... <u>105</u>			
(d) Contract..... ( <u>90</u> )			
(e) In-house..... ( <u>15</u> )			
(4) Construction start..... <u>2-91</u>			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION  NAVAL OCEAN SYSTEMS CENTER, SAN DIEGO, CALIFORNIA					4. COMMAND  SPACE AND NAVAL WARFARE SYSTEMS COMMAND			5. AREA CONSTR. COST INDEX  1.21			
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1994		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
		54	225	2967	0	10	0	21	94	792	4163
		58	235	3167	0	10	0	20	92	824	4406
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 2,771)											
b. INVENTORY TOTAL AS OF 30 SEP 88 67,500											
c. AUTHORIZATION NOT YET IN INVENTORY. 8,660											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 11,700											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 7,700											
f. PLANNED IN NEXT THREE PROGRAM YEARS 0											
g. REMAINING DEFICIENCY. 4,500											
h. GRAND TOTAL 100,060											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE					SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
310.23	COMBINED RESEARCH LAB					267,000 SF	11,700	12/88	06/90		
	TOTAL						11,700				
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
315.20	ANTI-SUB WARFARE SYS LAB					36,000 SF	7,700				
	TOTAL						7,700				
B. MAJOR PLANNED NEXT THREE YEARS: NONE											
10. MISSION OR MAJOR FUNCTIONS:											
The Naval Ocean Systems Center is the principal Navy RDT&E Center for Command control, communications, ocean surveillance, surface and air launched undersea weapon systems, submarine anti warfare, and supporting technologies.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 110											
B: INSTALLATION RESTORATION 3,520											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT NAVY		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL OCEAN SYSTEMS CENTER, SAN DIEGO, CALIFORNIA			4. PROJECT TITLE COMBINED RESEARCH LABORATORY		
5. PROGRAM ELEMENT 0605896N	6. CATEGORY CODE 310.23	7. PROJECT NUMBER P-095	8. PROJECT COST (\$000) 11,700		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
COMBINED RESEARCH LABORATORY . . . . .	SF	267,000	-	9,370	
BUILDING . . . . .	SF	80,000	112.00	(9,000)	
TEST POOL. . . . .	SF	187,000	2.00	( 370)	
SUPPORTING FACILITIES. . . . .	-	-	-	1,190	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 80)	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 530)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 230)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 350)	
SUBTOTAL . . . . .	-	-	-	10,560	
CONTINGENCY (5%) . . . . .	-	-	-	530	
TOTAL CONTRACT COST. . . . .	-	-	-	11,090	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	610	
TOTAL REQUEST. . . . .	-	-	-	11,700	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Three-story reinforced concrete frame building, concrete foundation, floor, walls, and roof, engineered fill, utilities, fire protection system, air conditioning; controlled test pool.					
11. REQUIREMENT: 559,630 SF. ADEQUATE: 292,630 SF. SUBSTANDARD: 0 SF. PROJECT: Constructs secure integrated multi-use research, development, test and evaluation (RDT&E) facility for development of compartmented hardware programs with product assurance, environmental T&E, and product engineering functions collocated, including the exploitation of foreign materials; provides test pool for exploratory and advanced development of unmanned prototype autonomous undersea vehicles. (Current mission.) REQUIREMENT: Adequate and properly-configured secure laboratory spaces for compartmented programs and the exploitation of acquired foreign materials. Compartmented work will be performed in several of the center's mission areas including Command, Control, Communications (C <sup>3</sup> ), Surveillance, ASW, Deep Ocean Engineering, and Intelligence. Basic engineering disciplines of product assurance, environmental T&E, and product engineering are required and will be collocated in this facility to provide these services to the classified hardware programs in an efficient manner before acquisition and introduction into fleet systems. The fundamental purpose is to provide solutions to Naval and Joint Services problems through the generation and application of technology, intelligence related work, foreign material exploitation, and development of prototype equipment in a secure					
(Continued on DD 1391c)					

1. COMPONENT	2. DATE																	
NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA																	
3. INSTALLATION AND LOCATION																		
NAVAL OCEAN SYSTEMS CENTER, SAN DIEGO, CALIFORNIA																		
4. PROJECT TITLE	5. PROJECT NUMBER																	
COMBINED RESEARCH LABORATORY	P-095																	
<p>11. REQUIREMENT: (Continued)  environment. In the Ocean Engineering area, a controlled hydrodynamic test pool is needed to develop the unmanned prototype autonomous undersea vehicles for future ASW Special Projects.</p> <p><u>CURRENT SITUATION:</u> A large percentage of this center's work is in highly classified compartmented programs that are critical to the collection and exploitation of intelligence. NOSC is pre-eminent in intelligence-related RDT&amp;E activities for the Navy and the intelligence community. NOSC is performing intelligence-related work in each area of their expertise including C<sup>3</sup>, ocean surveillance, ocean technology, marine science, and electronics technology which is 18 percent of their program dollars today and will increase to 27 percent by 1993. Secure laboratory facilities to perform the compartmented programs workload assigned this center do not exist. The existing facilities are inadequate, out-dated, technically and functionally very limited and non-existent for many functions. These facilities are scattered throughout the activity, resulting in economic manhours lost because of excessive transportation of equipment. These facilities are aged, generally designed for other uses, and have inherent technical environmental limitations. The development of facilities has not kept pace with the increasing funding levels associated with compartmented programs. In an interim measure, as programs are taken on, old and marginally adequate structures must be modified and refurbished at high cost to the specific project involved. The resultant risk of security compromise has become high.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Added, unnecessary costs, and major delays to the initial operating capability for compartmented programs will result. The thrust in RDT&amp;E for autonomous undersea surveillance devices as a key element to the ASW mission will be greatly impeded and very possibly not attainable. The timely execution of expanding classified programs will not be achieved.</p>																		
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table> <tr> <td>(a) Date Design Started.....</td> <td>12-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>80</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>7-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>6-90</td> </tr> </table> <p>(2) Basis:</p> <table> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes</td> <td>No</td> <td>X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3">N/A</td> </tr> </table> <p>(Continued on DD 1391c)</p>			(a) Date Design Started.....	12-88	(b) Percent Complete as of January 1990.....	80	(c) Date Design 35% Complete.....	7-89	(d) Date Design Complete.....	6-90	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A		
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(b) Percent Complete as of January 1990.....	80																	
(c) Date Design 35% Complete.....	7-89																	
(d) Date Design Complete.....	6-90																	
(a) Standard or Definitive Design:	Yes	No	X															
(b) Where Design Was Most Recently Used:	N/A																	

1. COMPONENT NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE										
3. INSTALLATION AND LOCATION NAVAL OCEAN SYSTEMS CENTER, SAN DIEGO, CALIFORNIA												
4. PROJECT TITLE COMBINED RESEARCH LABORATORY		5. PROJECT NUMBER P-095										
<p>12. SUPPLEMENTAL DATA: (Continued)</p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>( 490 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>( 190 )</td> </tr> <tr> <td>(c) Total.....</td> <td>680</td> </tr> <tr> <td>(d) Contract.....</td> <td>( 630 )</td> </tr> <tr> <td>(e) In-house.....</td> <td>( 50 )</td> </tr> </table> <p>(4) Construction start..... 12-90 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Production of Plans and Specifications.....	( 490 )	(b) All Other Design Costs.....	( 190 )	(c) Total.....	680	(d) Contract.....	( 630 )	(e) In-house.....	( 50 )
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(c) Total.....	680											
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1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE																																										
3. INSTALLATION AND LOCATION  NAVAL STATION, SAN DIEGO, CALIFORNIA					4. COMMAND  COMMANDER IN CHIEF, PACIFIC FLEET			5. AREA CONSTR. COST INDEX  1.21																																									
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1984		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3">PERMANENT</th> <th colspan="3">STUDENTS</th> <th colspan="3">SUPPORTED</th> <th rowspan="2">TOTAL</th> </tr> <tr> <th>OFFICER</th> <th>ENLISTED</th> <th>CIVILIAN</th> <th>OFFICER</th> <th>ENLISTED</th> <th>CIVILIAN</th> <th>OFFICER</th> <th>ENLISTED</th> <th>CIVILIAN</th> </tr> <tr> <td>2768</td> <td>34044</td> <td>3013</td> <td>221</td> <td>4882</td> <td>0</td> <td>226</td> <td>417</td> <td>0</td> <td>45571</td> </tr> <tr> <td>2271</td> <td>30629</td> <td>3013</td> <td>290</td> <td>5166</td> <td>0</td> <td>179</td> <td>1401</td> <td>0</td> <td>42849</td> </tr> </table>									PERMANENT			STUDENTS			SUPPORTED			TOTAL	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	2768	34044	3013	221	4882	0	226	417	0	45571	2271	30629	3013	290	5166	0	179	1401	0	42849
		PERMANENT			STUDENTS			SUPPORTED			TOTAL																																						
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN																																							
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9. FUTURE PROJECTS:																																																	
<table style="width: 100%;"> <tr> <td colspan="3">A. INCLUDED IN FOLLOWING PROGRAM</td> </tr> <tr> <td>151.20</td> <td>BERTHING PIER EXPANSION</td> <td style="text-align: right;">126,000 SF 12,900</td> </tr> <tr> <td>722.10</td> <td>MESS HALL ADDITION</td> <td style="text-align: right;">380 PN 1,020</td> </tr> <tr> <td></td> <td>TOTAL</td> <td style="text-align: right;">13,920</td> </tr> <tr> <td colspan="3">B. MAJOR PLANNED NEXT THREE YEARS:</td> </tr> <tr> <td colspan="3" style="text-align: center;">NONE</td> </tr> </table>										A. INCLUDED IN FOLLOWING PROGRAM			151.20	BERTHING PIER EXPANSION	126,000 SF 12,900	722.10	MESS HALL ADDITION	380 PN 1,020		TOTAL	13,920	B. MAJOR PLANNED NEXT THREE YEARS:			NONE																								
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B. MAJOR PLANNED NEXT THREE YEARS:																																																	
NONE																																																	
10. MISSION OR MAJOR FUNCTIONS:																																																	
Provide homeport facilities for warships, amphibious ships, and auxiliaries of the Pacific Fleet. Provide harbor and waterfront facilities, exchange, personnel support, athletic, recreational, berthing, messing, morale, and other logistics facilities.																																																	
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)																																																	
A: POLLUTION ABATEMENT 6,600																																																	
B: INSTALLATION RESTORATION 11,440																																																	
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0																																																	

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL STATION, SAN DIEGO, CALIFORNIA</b>			4. PROJECT TITLE <b>BRIG</b>		
5. PROGRAM ELEMENT <b>0204796H</b>	6. CATEGORY CODE <b>730.15</b>	7. PROJECT NUMBER <b>P-224</b>	8. PROJECT COST (\$000) <b>8,430</b>		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
BRIG . . . . .	SF	48,250	125.00	6,030	
SUPPORTING FACILITIES. . . . .	-	-	-	1,580	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 200)	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 350)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 220)	
PAVING AND SITE IMPROVEMENT, DEMOLITION. . . . .	LS	-	-	( 810)	
SUBTOTAL . . . . .	-	-	-	7,610	
CONTINGENCY (5%) . . . . .	-	-	-	380	
TOTAL CONTRACT COST. . . . .	-	-	-	7,990	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	440	
TOTAL REQUEST. . . . .	-	-	-	8,430	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Three-story reinforced concrete frame building, concrete foundation and floors, masonry walls, precast concrete roof deck, engineered fill; includes dormitories, cells, processing and exam rooms, administration, counseling, multi-purpose room with food service line; emergency generator; fire protection system, air conditioning, utilities; demolition of three buildings.</p>					
<p>11. REQUIREMENT: <u>50,260 SF.</u> ADEQUATE: <u>2,010 SF.</u> SUBSTANDARD: <u>0 SF.</u>  PROJECT: Provides brig facilities meeting current criteria for this function and security. The brig will be sized to accommodate 125 persons. (Current mission.)  REQUIREMENT: An adequate brig in the San Diego area to hold prisoners awaiting trial and those with a minor sentence of up to 30 days. The offenders and accused are Navy personnel from both ships and shore activities and from the coastal area.  CURRENT SITUATION: Existing brig facilities, in three buildings, are undersized, a fire hazard, and limited in service, exercise and work areas. Building configuration is inadequate from a security point, and there are no messing facilities.  IMPACT IF NOT PROVIDED: Continue to operate under current conditions, but will not be able to provide prisoners with accommodations required by Navy standards. The activity will be unable to provide naval units in the area with brig support. Lack of adequate facilities will cause morale and discipline problems.  (Continued on DD 1391c)</p>					

1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL STATION, SAN DIEGO, CALIFORNIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
BRIG		P-224	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... <u>4-87</u>			
(b) Percent Complete as of January 1990..... <u>100</u>			
(c) Date Design 35% Complete..... <u>10-87</u>			
(d) Date Design Complete..... <u>1-90</u>			
(2) Basis:			
(a) Standard or Definitive Design: Yes <u>      </u> No <u>X</u>			
(b) Where Design Was Most Recently Used: <u>N/A</u>			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( <u>390</u> )			
(b) All Other Design Costs..... ( <u>380</u> )			
(c) Total..... <u>770</u>			
(d) Contract..... ( <u>700</u> )			
(e) In-house..... ( <u>70</u> )			
(4) Construction start..... <u>11-90</u>			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, SAN DIEGO, CALIFORNIA				4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET		5. AREA CONSTR. COST INDEX 1.21					
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		TOTAL	
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED		CIVILIAN
a. AS OF 08/30/88		504	5776	68	38	96	0	8	605	0	7096
b. END FY 1994		479	5784	69	23	81	0	8	49	0	6493
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 314 )											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 57,900											
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 30,490											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 16,110											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 4,200											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 16,730											
g. REMAINING DEFICIENCY . . . . . 45,320											
h. GRAND TOTAL . . . . . 170,750											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE						
721.12	BACHELOR ENLISTED QUARTERS	114,770 SF	15,670	05/87	06/90						
832.40	OILY WASTE SYSTEM	LS	440	09/88	06/89						
	TOTAL		16,110								
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
213.77	SHIP SPARES STRG FAC	18,100 SF	1,700								
812.30	POWER UPGRADE PIER	LS	2,500								
	TOTAL		4,200								
B. MAJOR PLANNED NEXT THREE YEARS:											
179.40	SMALL ARMS RANGE	LS	630								
721.12	BACHELOR ENLISTED QUARTERS	82,000 SF	11,200								
730.20	POLICE STATION	10,440 SF	1,900								
10. MISSION OR MAJOR FUNCTIONS:											
Provide logistic support for submarines and shore activities, including berthing, messing, recreation, records, morale, and other general base support.											
Two Submarine Tenders                      Commander, Submarine Group Five											
Two Submarine Squadrons                  Commander, Submarine Development Group One											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT                      110											
B: INSTALLATION RESTORATION                8,900											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):                0											

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, SAN DIEGO, CALIFORNIA			4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		
5. PROGRAM ELEMENT 0204896N		6. CATEGORY CODE 721.12		7. PROJECT NUMBER P-048	
				8. PROJECT COST (\$000) 15,670	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
BACHELOR ENLISTED QUARTERS . . . . .		SF	114,770	-	12,070
BUILDING . . . . .		SF	114,770	70.00	( 8,000)
VEHICLE PARKING BUILDING . . . . .		LS	-	-	( 3,060)
BOWLING CENTER . . . . .		LS	-	-	( 1,010)
SUPPORTING FACILITIES. . . . .		-	-	-	2,070
SPECIAL CONSTRUCTION FEATURES. . . . .		LS	-	-	( 1,080)
UTILITIES . . . . .		LS	-	-	( 570)
PAVING AND SITE IMPROVEMENT, DEMOLITION. .		LS	-	-	( 420)
SUBTOTAL . . . . .		-	-	-	14,140
CONTINGENCY (5%) . . . . .		-	-	-	710
TOTAL CONTRACT COST. . . . .		-	-	-	14,850
SUPERVISION, INSPECTION & OVERHEAD (5.5%) .		-	-	-	820
TOTAL REQUEST. . . . .		-	-	-	15,670
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Eight-story reinforced concrete and masonry building, pile foundation, concrete floors, built-up roof, fire protection system, elevators, utilities; 140 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; three-story reinforced concrete vehicle parking building designed for 248 cars with expansion capability; 10-lane bowling center; demolition of one building.</p> <p>Grade mix: 280 E5-E6. Total: 280.</p>					
<p>11. REQUIREMENT: <u>1,777</u> PN. ADEQUATE: <u>1,383</u> PN. SUBSTANDARD: <u>0</u> PN.</p> <p>PROJECT: Provides adequate billeting for 280 enlisted personnel. (Current mission.)</p> <p>REQUIREMENT: Adequate housing for 1,777 enlisted personnel either assigned to this activity, stationed aboard submarines homeported here, or at tenant commands.</p> <p>CURRENT SITUATION: Existing adequate berthing capacity of 1,383 spaces including 1,093 adequate spaces on base, accommodations found by 95 personnel in the local community, and 195 spaces funded in the FY 1987 Military Construction Program, is insufficient, resulting in overcrowding. A new construction deficiency of 394 adequate billeting spaces exists. After construction of the spaces requested by this project the remaining projected space deficit which has increased because of a steady increase in submarine homeporting requirements, will be satisfied by a follow-on project currently proposed for FY 1992. All projected space requirements are revalidated annually by a new survey, which updates planning projections.</p> <p style="text-align: right;">(Continued on DD 1391c)</p>					

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL SUBMARINE BASE, SAN DIEGO, CALIFORNIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
BACHELOR ENLISTED QUARTERS		P-048	
<p>11. REQUIREMENT: (Continued)</p> <p><u>IMPACT IF NOT PROVIDED:</u> Overcrowding of adequate facilities will continue. Personnel will be berthed in facilities below minimum standards of adequacy, or they must seek off-base housing at locations that sometimes exceed 30 miles from the base, because of the shortage of affordable housing in this expensive San Diego retirement area. This situation adversely affects morale and retention, and makes immediate mobilization difficult.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... 5-87</p> <p>(b) Percent Complete as of January 1990..... 50</p> <p>(c) Date Design 35% Complete..... 12-87</p> <p>(d) Date Design Complete..... 6-90</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes No X</p> <p>(b) Where Design Was Most Recently Used: N/A</p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( 600 )</p> <p>(b) All Other Design Costs..... ( 200 )</p> <p>(c) Total..... 800</p> <p>(d) Contract..... ( 730 )</p> <p>(e) In-house..... ( 70 )</p> <p>(4) Construction start..... 11-90</p> <p>(month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION  NAVAL SUPPLY CENTER, SAN DIEGO, CALIFORNIA				4. COMMAND  NAVAL SUPPLY SYSTEMS COMMAND			5. AREA CONSTR. COST INDEX  1.21				
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1994.		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
		35	4	1425	0	0	45	0	0	0	1509
		37	5	1425	0	0	45	0	0	0	1512
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 849 )											
b. INVENTORY TOTAL AS OF 30 SEP 88 74,780											
c. AUTHORIZATION NOT YET IN INVENTORY 13,000											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 6,340											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0											
f. PLANNED IN NEXT THREE PROGRAM YEARS 1,900											
g. REMAINING DEFICIENCY 5,350											
h. GRAND TOTAL 101,370											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE			SCOPE		COST (\$000)		DESIGN STATUS START COMPLETE		
431.10		COLD STORAGE WAREHOUSE			34,920 SF		6,340		11/88 01/90		
		TOTAL					6,340				
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM NONE											
B. MAJOR PLANNED NEXT THREE YEARS:											
441.30		HAZ/FLAMM STOREHOUSE ADDN			10,400 SF		1,900				
10. MISSION OR MAJOR FUNCTIONS:											
Provides supply and support services to Navy and Marine Corps activities, active and reserve fleet units, and the Military Sealift Command. Performs Defense Supply Agency functions for overseas and CONUS fleet units and the Coast Guard. A marine terminal is operated and maintained for transshipment of Department of Defense ocean cargo. The center operates a petroleum laboratory and maintains and operates storage facilities and a connecting pipeline for bulk fuel in the San Pedro area, NAS Lemoore, and at Point Loma.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 410											
B: INSTALLATION RESTORATION 13,900											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 2,200											

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, SAN DIEGO, CALIFORNIA				4. PROJECT TITLE COLD STORAGE WAREHOUSE		
5. PROGRAM ELEMENT 0702896N		6. CATEGORY CODE 431.10	7. PROJECT NUMBER P-086		8. PROJECT COST (\$000) 6,340	
9. COST ESTIMATES						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
COLD STORAGE WAREHOUSE . . . . .	SF	34,920	-	5,080		
BUILDING . . . . .	SF	34,920	122.00	(4,260)		
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 820)		
SUPPORTING FACILITIES . . . . .	-	-	-	650		
SPECIAL CONSTRUCTION FEATURES . . . . .	LS	-	-	( 90)		
UTILITIES . . . . .	LS	-	-	( 210)		
PAVING AND SITE IMPROVEMENT . . . . .	LS	-	-	( 350)		
SUBTOTAL . . . . .	-	-	-	5,730		
CONTINGENCY (5%) . . . . .	-	-	-	280		
TOTAL CONTRACT COST . . . . .	-	-	-	6,010		
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	330		
TOTAL REQUEST . . . . .	-	-	-	6,340		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
One-story steel frame building, pile foundation, concrete floor, masonry walls, built-up roof, 46-foot high stacking height, central refrigeration system, air conditioning system, emergency electric power system, fire protection system, utilities.						
11. REQUIREMENT: <u>34,920</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>0</u> SF.						
PROJECT: Constructs a cold storage warehouse. (Current mission.)						
REQUIREMENT: An adequate and energy efficient cold storage warehouse for frozen and chilled food products that are issued to fleet units and shore stations in the San Diego and Long Beach areas.						
CURRENT SITUATION: The existing cold storage warehouse is a converted general warehouse constructed in 1954 and not designed to house frozen and chilled foods. It is only large enough to store a 23-day stock level instead of the required 45-day supply. As a result of moisture infiltration into the insulation, the ceiling collapsed in 1978 requiring extensive and costly repairs. There is evidence that additional repairs will be necessary in the near future. This storage location is six miles from the primary fleet customers at the Naval Station, resulting in inefficient and costly operations. Also, the existing warehouse is located on a site required for construction of a high-rise, multiple use office building as part of the Navy's Broadway Redevelopment Project.						
(Continued on DD 1391c)						



1. COMPONENT <b>NAVY</b>	<b>FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
3. INSTALLATION AND LOCATION <b>NAVAL SUPPLY CENTER, SAN DIEGO, CALIFORNIA</b>		
4. PROJECT TITLE <b>COLD STORAGE WAREHOUSE</b>	5. PROJECT NUMBER <b>P-086</b>	
<p><b>11. REQUIREMENT: (Continued)</b>  <b>IMPACT IF NOT PROVIDED:</b> Because there is no cold storage facility available in San Diego, it will be necessary for the Navy to lease space in Los Angeles, 100 miles away. Solicitation for leased space in San Diego expired without any bidder response. A portion of the Navy's Broadway Redevelopment Project for San Diego will be delayed until the cold storage function can be relocated from the Broadway Compound.</p> <p><b>12. SUPPLEMENTAL DATA:</b></p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <p style="margin-left: 20px;">(a) Date Design Started..... <u>11-88</u></p> <p style="margin-left: 20px;">(b) Percent Complete as of January 1990..... <u>100</u></p> <p style="margin-left: 20px;">(c) Date Design 35% Complete..... <u>5-89</u></p> <p style="margin-left: 20px;">(d) Date Design Complete..... <u>1-90</u></p> <p>(2) Basis:</p> <p style="margin-left: 20px;">(a) Standard or Definitive Design: Yes <u>      </u> No <u>X</u></p> <p style="margin-left: 20px;">(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <p style="margin-left: 20px;">(a) Production of Plans and Specifications..... ( <u>335</u> )</p> <p style="margin-left: 20px;">(b) All Other Design Costs..... ( <u>175</u> )</p> <p style="margin-left: 20px;">(c) Total..... <u>510</u></p> <p style="margin-left: 20px;">(d) Contract..... ( <u>465</u> )</p> <p style="margin-left: 20px;">(e) In-house..... ( <u>45</u> )</p> <p>(4) Construction start..... <u>11-90</u>  <span style="float: right;">(month and year)</span></p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>		

1. COMPONENT <b>NAVY</b>		FY 1991 <b>MILITARY CONSTRUCTION PROGRAM</b>					2. DATE			
3. INSTALLATION AND LOCATION <b>NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA</b>					4. COMMAND <b>CHIEF OF NAVAL EDUCATION AND TRAINING</b>			5. AREA CONSTR. COST INDEX <b>1.21</b>		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	159	1589	421	42	11665	0	0	252	0	14128
b. END FY 1994	159	1688	421	56	12124	0	0	254	0	14701
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 546 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 79,910										
c. AUTHORIZATION NOT YET IN INVENTORY 17,900										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 11,950										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 22,900										
f. PLANNED IN NEXT THREE PROGRAM YEARS 27,590										
g. REMAINING DEFICIENCY 29,400										
h. GRAND TOTAL 189,650										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
171.50	SMALL ARMS RANGE				33,200 SF	4,000	11/88	01/90		
721.14	BARRACKS				44,720 SF	5,600	11/88	01/90		
740.74	CHILD CARE CENTER				20,400 SF	2,350	11/88	01/90		
	TOTAL					11,950				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
171.20	WELDER TRAINING FACILITY				62,090 SF	8,700				
721.11	BARRACKS				720 PN	14,200				
	TOTAL					22,900				
B. MAJOR PLANNED NEXT THREE YEARS:										
171.10	APPRENTICE TRNG BLDG				55,670 SF	6,190				
730.83	CHAPEL AND RECRUIT SPT CTR				33,290 SF	5,500				
843.10	FIRE PROTECTION SYS				75,000 SF	560				
10. MISSION OR MAJOR FUNCTIONS:										
Provide basic indoctrination (recruit training) for enlisted personnel; primary, advanced, and specialized training for officer and enlisted personnel of the regular Navy and the Naval Reserve.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 270										
B: INSTALLATION RESTORATION 5,130										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA			4. PROJECT TITLE BARRACKS		
5. PROGRAM ELEMENT 0805796N	6. CATEGORY CODE 721.14	7. PROJECT NUMBER P-191	8. PROJECT COST (\$000) 5,600		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
BARRACKS. . . . .	SF	44,720	-	4,200	
BERTHING SPACE . . . . .	SF	41,580	92.00	(3,820)	
SUPPORT SPACE. . . . .	SF	3,140	120.00	( 380)	
SUPPORTING FACILITIES. . . . .	-	-	-	860	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 400)	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 60)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 100)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 300)	
SUBTOTAL . . . . .	-	-	-	5,060	
CONTINGENCY (5%) . . . . .	-	-	-	250	
TOTAL CONTRACT COST. . . . .	-	-	-	5,310	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .	-	-	-	290	
TOTAL REQUEST. . . . .	-	-	-	5,600	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>One-story core building with spread footing foundation, two three-story dormitory buildings with pile foundations, concrete floors and roofs, masonry walls, reinforced concrete frames, mission clay roofing tile, fire protection system, mechanical ventilation, utilities; semi-open-bay living compartments concept.</p> <p>Grade mix: 360 E1-E4. Total: 360.</p>					
<p>11. REQUIREMENT: <u>3,392</u> PN. ADEQUATE: <u>2,792</u> PN. SUBSTANDARD: <u>0</u> PN.  PROJECT: Provides adequate billeting for 360 enlisted students assigned to Navy basic "A" schools. (Current mission.)  REQUIREMENT: Adequate housing for 3,392 "A" school students who are either undergoing basic skill training after completion of recruit training or are upgrading basic skill training requirements.  CURRENT SITUATION: Berthing capacity of 2,792 spaces exists on base. A new construction deficiency of 600 adequate billeting spaces exists for "A" school students. After construction of the spaces requested by this project, the remaining projected space deficit will be satisfied by a follow-on project currently proposed for Fiscal Year 1992. All projected space requirements are revalidated annually by a new survey, which updates planning projections.</p>					

(Continued on DD 1391c)

1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE																										
3. INSTALLATION AND LOCATION <b>NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA</b>																												
4. PROJECT TITLE <b>BARRACKS</b>	5. PROJECT NUMBER <b>P-191</b>																											
<p>11. REQUIREMENT: (Continued)  <u>IMPACT IF NOT PROVIDED:</u> Overcrowding of adequate student berthing spaces will continue, with some students housed in facilities below the minimum standards of adequacy to the detriment of morale, training, and career reentention efforts.  <u>ADDITIONAL:</u> "A" school students are not eligible for civilian community housing.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <table style="margin-left: 20px;"> <tr><td>(a) Date Design Started.....</td><td style="text-align: right;">11-88</td></tr> <tr><td>(b) Percent Complete as of January 1990.....</td><td style="text-align: right;">100</td></tr> <tr><td>(c) Date Design 35% Complete.....</td><td style="text-align: right;">5-89</td></tr> <tr><td>(d) Date Design Complete.....</td><td style="text-align: right;">1-90</td></tr> </table> <p>(2) Basis:</p> <table style="margin-left: 20px;"> <tr><td>(a) Standard or Definitive Design:</td><td style="text-align: right;">Yes</td><td style="text-align: right;">No</td><td style="text-align: right;">X</td></tr> <tr><td>(b) Where Design Was Most Recently Used:</td><td colspan="3" style="text-align: right;">N/A</td></tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="margin-left: 20px; width: 100%;"> <tr><td>(a) Production of Plans and Specifications.....</td><td style="text-align: right;">( 275 )</td></tr> <tr><td>(b) All Other Design Costs.....</td><td style="text-align: right;">( 105 )</td></tr> <tr><td>(c) Total.....</td><td style="text-align: right;">380</td></tr> <tr><td>(d) Contract.....</td><td style="text-align: right;">( 340 )</td></tr> <tr><td>(e) In-house.....</td><td style="text-align: right;">( 40 )</td></tr> </table> <p>(4) Construction start..... <span style="float: right;">12-90</span>  <span style="float: right;">(month and year)</span></p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>			(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A			(a) Production of Plans and Specifications.....	( 275 )	(b) All Other Design Costs.....	( 105 )	(c) Total.....	380	(d) Contract.....	( 340 )	(e) In-house.....	( 40 )
(a) Date Design Started.....	11-88																											
(b) Percent Complete as of January 1990.....	100																											
(c) Date Design 35% Complete.....	5-89																											
(d) Date Design Complete.....	1-90																											
(a) Standard or Definitive Design:	Yes	No	X																									
(b) Where Design Was Most Recently Used:	N/A																											
(a) Production of Plans and Specifications.....	( 275 )																											
(b) All Other Design Costs.....	( 105 )																											
(c) Total.....	380																											
(d) Contract.....	( 340 )																											
(e) In-house.....	( 40 )																											

<b>1. COMPONENT</b> NAVY		<b>FY 19 21 MILITARY CCNSTRUCTION PROJECT DATA</b>			<b>2. DATE</b>	
<b>3. INSTALLATION AND LOCATION</b> NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA			<b>4. PROJECT TITLE</b> CHILD CARE CENTER			
<b>5. PROGRAM ELEMENT</b> 08Q5796N	<b>6. CATEGORY CODE</b> 749.74	<b>7. PROJECT NUMBER</b> P-349	<b>8. PROJECT COST (\$000)</b> 2,350			
<b>9. COST ESTIMATES</b>						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
CHILD CARE CENTER. . . . .	SF	20,400	88.00	1,800		
SUPPORTING FACILITIES. . . . .	-	-	-	320		
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 140)		
MECHANICAL UTILITIES . . . . .	LS	-	-	( 50)		
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 130)		
SUBTOTAL . . . . .	-	-	-	2,120		
CONTINGENCY (5%) . . . . .	-	-	-	110		
TOTAL CONTRACT COST. . . . .	-	-	-	2,230		
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	120		
TOTAL REQUEST. . . . .	-	-	-	2,350		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>						
One-story masonry building, concrete foundation and floor, metal roof deck with clay tile roof, roads, outdoor playground area, fencing, fire protection system, ventilation, utilities.						
<b>11. REQUIREMENT: 20,400 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.</b>						
<b>PROJECT:</b> Provides a child care center to accommodate school and pre-school age children and infants. (Current mission.)						
<b>REQUIREMENT:</b> A child care center provides supervised care for infants, pre-school, and school age children in a common facility, on a regularly scheduled or drop-in basis, when parents are employed or at times when the family is temporarily unable to care for them. Child care centers are a necessary element in today's environment as their availability alleviates many problems incurred by military parents who are single, both working, or with other special needs. These centers make the quality of life more appealing to military personnel and their dependents.						
<b>CURRENT SITUATION:</b> The child care function is presently being accomplished in a facility which offers insufficient capacity to care for the desired number of children. The existing facility not only lacks enough spatial capacity to accommodate the physical needs, but also the building is located directly under the San Diego International Airport's flight path, and is adjacent to the main entry and the golf course. This building location produces a set of hazardous conditions for the children and the staff of the center.						
(Continued on DD 1391c)						

1. COMPONENT  NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION  NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA		
4. PROJECT TITLE  CHILD CARE CENTER		5. PROJECT NUMBER  P-349
<p>11. REQUIREMENT: (Continued)  <u>IMPACT IF NOT PROVIDED:</u> Child care service will continue to be provided in an inadequate facility which offers very poor safety, accoustical, and spatial environments for the children and the staff of the child care center.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <p>(a) Date Design Started..... 11-88</p> <p>(b) Percent Complete as of January 1990..... 100</p> <p>(c) Date Design 35% Complete..... 5-89</p> <p>(d) Date Design Complete..... 1-90</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes _____ No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( 120 )</p> <p>(b) All Other Design Costs..... ( 75 )</p> <p>(c) Total..... 195</p> <p>(d) Contract..... 60</p> <p>(e) In-house..... 135</p> <p>(4) Construction start..... 1-91 (month and year)</p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>		

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA</b>				4. PROJECT TITLE <b>SMALL ARMS RANGE</b>		
5. PROGRAM ELEMENT <b>0805796N</b>		6. CATEGORY CODE <b>171.50</b>	7. PROJECT NUMBER <b>P-347</b>		8. PROJECT COST (\$000) <b>4,000</b>	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
SMALL ARMS RANGE . . . . .		SF	33,200	-	2,910	
INDOOR ARMS RANGE . . . . .		SF	20,700	69.00	(1,430)	
ARMORY . . . . .		SF	4,500	122.00	( 550)	
INSTRUCTION AND ADMINISTRATION . . . . .		SF	8,000	116.00	( 930)	
SUPPORTING FACILITIES . . . . .		-	-	-	700	
SPECIAL CONSTRUCTION FEATURES . . . . .		LS	-	-	( 90)	
ELECTRICAL UTILITIES . . . . .		LS	-	-	( 180)	
MECHANICAL UTILITIES . . . . .		LS	-	-	( 150)	
PAVING AND SITE IMPROVEMENT . . . . .		LS	-	-	( 280)	
SUBTOTAL . . . . .		-	-	-	3,610	
CONTINGENCY (5%) . . . . .		-	-	-	180	
TOTAL CONTRACT COST . . . . .		-	-	-	3,790	
SUPERVISION, INSPECTION & OVERHEAD (.5%) . . . . .		-	-	-	210	
TOTAL REQUEST . . . . .		-	-	-	4,000	
EQUIPMENT PROVIDED FROM OTHER APPROX . . . . .		-	-(NON-ADD)		( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>One-story reinforced concrete and masonry building, pile foundation, concrete floor, built-up roofing over concrete filled metal decking, fire protection systems, utilities, special range ventilation, target retrieval and bullet trap system, accoustical system; perimeter patrol road, security lighting.</p>						
<p>11. REQUIREMENT: <u>33,200</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>0</u> SF.  PROJECT: Provides an indoor small arms range. (Current mission.)  REQUIREMENT: Adequate and properly-configured facilities to support accurate hands-on training in the use of small arms and to house classrooms and instructional devices. Facilities must be designed and sited for efficient operation at a location near the Recruit Training Command and beyond the boundaries of the airfield flight zone.  CURRENT SITUATION: Facilities presently housing the small arms range, weapons and ammunition storage, and related support activities are located under the flight path of Lindbergh Field, a busy municipal airport. The location of this range, ammunition, and explosives in an airfield flight zone is in violation of regulations. The location is distant from the Recruit Training Command requiring recruits to march more than a mile each way to receive small arms training. Theoretical instruction is currently given at the firing range, using bleachers set-up in the center of the range area. Armory and magazines used twice daily are remotely located</p>						
(Continued on DD 1391c)						

1. COMPONENT <b>NAVY</b>	<div style="text-align: center;">91</div> <b>FY 19__ MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE																						
3. INSTALLATION AND LOCATION <b>NAVAL TRAINING CENTER, SAN DIEGO, CALIFORNIA</b>																								
4. PROJECT TITLE <b>SMALL ARMS RANGE</b>	5. PROJECT NUMBER <b>P-347</b>																							
<p><b>11. REQUIREMENT: (Continued)</b>  <b>CURRENT SITUATION: (Continued)</b>          from the range. Sanitary waste facilities are undersized for the volume of use. Existing buildings are approximately 60 years old and in consistent need of repair and upgrading.  <b>IMPACT IF NOT PROVIDED:</b> The current marginal safety level resulting from violations of Naval and FAA regulations will continue. Excessive recruit travel time, and inappropriate size, configuration and condition of existing instructional facilities will continue to impede the effectiveness of recruit training.</p> <p><b>12. SUPPLEMENTAL DATA:</b></p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(a) Date Design Started.....</td> <td style="text-align: right;">11-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">5-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">1-90</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes ___ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;"><u>N/A</u></td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 200 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 150 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">350</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 305 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 45 )</td> </tr> </table> <p>(4) Construction start..... <u>11-90</u> (month and year)</p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>			(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes ___ No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( 200 )	(b) All Other Design Costs.....	( 150 )	(c) Total.....	350	(d) Contract.....	( 305 )	(e) In-house.....	( 45 )
(a) Date Design Started.....	11-88																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	5-89																							
(d) Date Design Complete.....	1-90																							
(a) Standard or Definitive Design:	Yes ___ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	<u>N/A</u>																							
(a) Production of Plans and Specifications.....	( 200 )																							
(b) All Other Design Costs.....	( 150 )																							
(c) Total.....	350																							
(d) Contract.....	( 305 )																							
(e) In-house.....	( 45 )																							



1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, SAN DIEGO, CALIFORNIA				4. COMMAND NAVAL FACILITIES ENGINEERING COMMAND		5. AREA CONSTR. COST INDEX 1.21				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/83	16	5	2232	0	0	0	0	0	0	2253
b. END FY 1994	15	5	2022	0	0	0	0	0	0	2042
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 2.083)										
b. INVENTORY TOTAL AS OF 30 SEP 88 307,740										
c. AUTHORIZATION NOT YET IN INVENTORY 19,850										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 21,200										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 23,240										
f. PLANNED IN NEXT THREE PROGRAM YEARS 16,250										
g. REMAINING DEFICIENCY 47,280										
h. GRAND TOTAL 435,570										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS				
						START	COMPLETE			
218.10	PUBLIC WORKS SHOPS			71,080 SF	8,900	11/88	01/90			
812.30	ELECTR DISTR SYS UPGRD			LS	9,000	05/89	11/90			
822.12	STEAM DISTR SYS IMPROVS			LS	3,300	11/88	01/90			
	TOTAL				21,200					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
214.20	AUTO VEH MAINT/HOLD SHED			54,280 SF	9,240					
812.30	ELEC DISTRIBUTION SYSTEM			LS	14,000					
	TOTAL				23,240					
B. MAJOR PLANNED NEXT THREE YEARS:										
441.30	HAZ/FLAMMABLE WAREHOUSE			LS	1,950					
812.30	ELECTR DISTR SYSTEM IMPVS			LS	14,300					
10. MISSION OR MAJOR FUNCTIONS:										
Provide public works, utilities, housing, transportation support, engineering services, shore facilities planning support and all other logistic support of a public works nature incident thereto, required by the operating forces, shore activities and other commands served by the public works center.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 5,140										
B: INSTALLATION RESTORATION 350										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT <b>NAVY</b>		FY 19.21 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVY PUBLIC WORKS CENTER, SAN DIEGO, CALIFORNIA</b>				4. PROJECT TITLE <b>ELECTRICAL DISTRIBUTION SYSTEM UPGRADE</b>		
5. PROGRAM ELEMENT <b>0702096N</b>		6. CATEGORY CODE <b>812.30</b>	7. PROJECT NUMBER <b>P-116</b>		8. PROJECT COST (\$000) <b>9,000</b>	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	UNIT COST
ELECTRICAL DISTRIBUTION SYSTEM UPGRADE . . .				LS	-	8,120
SUBTOTAL . . . . .				-	-	8,120
CONTINGENCY (5%) . . . . .				-	-	410
TOTAL CONTRACT COST. . . . .				-	-	8,530
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .				-	-	470
TOTAL REQUEST. . . . .				-	-	9,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-	-	( 0 )
(NON-ADD)						
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Upgrade electrical distribution system at Point Loma, including distribution lines, switching stations, transformer stations, substations, street lighting, and telephone, fire alarm and security systems.						
11. REQUIREMENT: <u>As Required.</u>						
PROJECT: Upgrades primary electric power distribution systems for Naval activities on Point Loma; provides loop feeders; replaces obsolete transformers and switching stations. (Current mission.)						
REQUIREMENT: Comprehensive upgrading of the electric power distribution system to provide adequate, reliable electric power for existing facilities and new construction. This upgrading is necessary to meet the electric power demand of expanded facilities complexes in the northern sector of the Point Loma peninsula. Activities involved are the Naval Ocean Systems Center (NOSC) and tenants, and the Fleet Combat Training Center (FCTC) and tenants. Continued growth at NOSC and FCTC make the upgrading of electric power systems a high priority. A major laboratory was completed at NOSC in 1986, with additional facilities programmed. At FCTC, a tenant occupied a major new computer operations center in 1987.						
CURRENT SITUATION: NOSC and FCTC obtain electric power from a primary 12.5KV commercial electric power source connected to a central switching station at the northern end of the Point Loma complex. Secondary power is distributed southward through Navy duct banks and pole lines. A second substation is used to step-down the voltage. Another feeder supplies a						
(Continued on DD 1391c)						

1. COMPONENT <b>NAVY</b>	FY 19 <u>91</u> <b>MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
3. INSTALLATION AND LOCATION <b>NAVY PUBLIC WORKS CENTER, SAN DIEGO, CALIFORNIA</b>		
4. PROJECT TITLE <b>ELECTRICAL DISTRIBUTION SYSTEM UPGRADE</b>	5. PROJECT NUMBER <b>P-116</b>	
<p>11. <b>REQUIREMENT:</b> (Continued)  <b>CURRENT SITUATION:</b> (Continued)  remote Navy sewage pumping station. Existing electric power distribution is radial and vulnerable to complete extended outages from accident or sabotage. The older overhead section dates from 1922 and is not accessible by service roads. Transformers are no longer reliable.  <b>IMPACT IF NOT PROVIDED:</b> Electric power-load growth attributable to on-going facilities growth in the northern sector of Point Loma will outstrip the capacity of the present distribution system. Reliability of the electric power supply to vital fleet support, training, and research facilities will remain low. Modern electric power transmission voltage and loop design will not be achieved.</p> <p>12. <b>SUPPLEMENTAL DATA:</b></p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> (1) <b>Status:</b>  (a) Date Design Started..... <u>7-86</u>  (b) Percent Complete as of January 1990..... <u>100</u>  (c) Date Design 35% Complete..... <u>12-86</u>  (d) Date Design Complete..... <u>1-88</u> </div> <div style="margin-left: 80px;"> (2) <b>Basis:</b>  (a) Standard or Definitive Design:      Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>  (b) Where Design Was Most Recently Used:      <u>N/A</u> </div> <div style="margin-left: 80px;"> (3) <b>Total cost (c) = (a) + (b) or (d) + (e):</b>      (\$000)  (a) Production of Plans and Specifications..... ( <u>440</u> )  (b) All Other Design Costs..... ( <u>350</u> )  (c) Total..... <u>790</u>  (d) Contract..... ( <u>760</u> )  (e) In-house..... ( <u>30</u> ) </div> <div style="margin-left: 80px;"> (4) <b>Construction start.....</b> <u>12-90</u>  <div style="text-align: right;">(month and year)</div> </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: <b>None.</b></p>		

1. COMPONENT NAVY		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, SAN DIEGO, CALIFORNIA			4. PROJECT TITLE PUBLIC WORKS SHOPS		
5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 219.10	7. PROJECT NUMBER P-072	8. PROJECT COST (\$000) 8,900		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PUBLIC WORKS SHOPS . . . . .	SF	71,090	-	4,660	
SHOPS. . . . .	SF	57,590	64.00	(3,660)	
PERSONNEL BUILDING . . . . .	SF	13,500	74.00	(1,000)	
SUPPORTING FACILITIES. . . . .	-	-	-	3,380	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 490)	
MECHANICAL UTILITIES . . . . .	LS	-	-	(1,040)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	(1,600)	
DENOLITION . . . . .	LS	-	-	( 250)	
SUBTOTAL . . . . .	-	-	-	8,040	
CONTINGENCY (5%) . . . . .	-	-	-	400	
TOTAL CONTRACT COST. . . . .	-	-	-	8,440	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	460	
TOTAL REQUEST. . . . .	-	-	-	8,900	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)	-	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One-story steel-frame building, concrete foundation and floor, reinforced concrete tilt-up wall panels, built-up roof over rigid insulation on steel deck; one-story reinforced concrete and masonry building, concrete foundation and floor, built-up roof over steel deck; fire protection system, utilities, air conditioning, computer flooring; demolition of five buildings.					
11. REQUIREMENT: 71,090 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF. PROJECT: Constructs public works shops, storage areas, and an associated civilian personnel department facility at the Naval Station, San Diego. (Current mission.) REQUIREMENT: Adequate and properly-configured work spaces strategically located to provide public works services efficiently and economically and to directly support the fleet and waterside activities at the Naval Station. The center's shops provide major maintenance, repair, and overhaul for station facilities. It is necessary to consolidate the metal working, emergency services, plumbing, electrical, carpenter, riggers and miscellaneous services, shops and laydown work and storage areas to support the workload. This project has been determined to be the lowest cost alternative to properly locate service facilities and also provide an annual savings of over \$500,000. CURRENT SITUATION: The center employs a staff of about 1,500 shop personnel at the Naval Station in facilities that were never designed for shop use (Continued on DD 1391c)					

1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE																						
3. INSTALLATION AND LOCATION <b>NAVY PUBLIC WORKS CENTER, SAN DIEGO, CALIFORNIA</b>																								
4. PROJECT TITLE <b>PUBLIC WORKS SHOPS</b>		5. PROJECT NUMBER <b>P-072</b>																						
<p>11. <b>REQUIREMENT:</b> (Continued)  <b>CURRENT SITUATION:</b> (Continued)  and are in extremely inadequate condition. The facilities do not comply with building codes for seismic and fire protection and cannot be upgraded through repair and minor construction efforts. The center's shop facilities at Naval Station alone include 22 buildings, scattered in several locations, the majority of which are wood-frame structures built in the 1940's. Work efficiency is greatly reduced because of unnecessary travel time wasted between multiple locations of shops and work sites to accomplish a single job.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Fragmented operations and personnel will continue to be housed in extremely inadequate facilities, some at great distances from the fleet activities they support, with resulting adverse impact on the quality of direct support to the fleet and associated waterfront activities.</p> <p>12. <b>SUPPLEMENTAL DATA:</b></p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) <b>Status:</b></p> <table style="margin-left: 20px;"> <tr><td>(a) Date Design Started.....</td><td style="text-align: right;"><u>11-88</u></td></tr> <tr><td>(b) Percent Complete as of January 1990.....</td><td style="text-align: right;"><u>100</u></td></tr> <tr><td>(c) Date Design 35% Complete.....</td><td style="text-align: right;"><u>5-89</u></td></tr> <tr><td>(d) Date Design Complete.....</td><td style="text-align: right;"><u>1-90</u></td></tr> </table> <p>(2) <b>Basis:</b></p> <table style="margin-left: 20px;"> <tr><td>(a) Standard or Definitive Design:</td><td style="text-align: right;">Yes _____ No <u>X</u></td></tr> <tr><td>(b) Where Design Was Most Recently Used:</td><td style="text-align: right;"><u>N/A</u></td></tr> </table> <p>(3) <b>Total cost (c) = (a) + (b) or (d) + (e):</b> (\$000)</p> <table style="margin-left: 20px;"> <tr><td>(a) Production of Plans and Specifications.....</td><td style="text-align: right;"><u>( 410 )</u></td></tr> <tr><td>(b) All Other Design Costs.....</td><td style="text-align: right;"><u>( 200 )</u></td></tr> <tr><td>(c) Total.....</td><td style="text-align: right;"><u>610</u></td></tr> <tr><td>(d) Contract.....</td><td style="text-align: right;"><u>( 550 )</u></td></tr> <tr><td>(e) In-house.....</td><td style="text-align: right;"><u>( 60 )</u></td></tr> </table> <p>(4) <b>Construction start.....</b> <u>1-91</u> (month and year)</p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>			(a) Date Design Started.....	<u>11-88</u>	(b) Percent Complete as of January 1990.....	<u>100</u>	(c) Date Design 35% Complete.....	<u>5-89</u>	(d) Date Design Complete.....	<u>1-90</u>	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	<u>( 410 )</u>	(b) All Other Design Costs.....	<u>( 200 )</u>	(c) Total.....	<u>610</u>	(d) Contract.....	<u>( 550 )</u>	(e) In-house.....	<u>( 60 )</u>
(a) Date Design Started.....	<u>11-88</u>																							
(b) Percent Complete as of January 1990.....	<u>100</u>																							
(c) Date Design 35% Complete.....	<u>5-89</u>																							
(d) Date Design Complete.....	<u>1-90</u>																							
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	<u>N/A</u>																							
(a) Production of Plans and Specifications.....	<u>( 410 )</u>																							
(b) All Other Design Costs.....	<u>( 200 )</u>																							
(c) Total.....	<u>610</u>																							
(d) Contract.....	<u>( 550 )</u>																							
(e) In-house.....	<u>( 60 )</u>																							

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVY PUBLIC WORKS CENTER, SAN DIEGO, CALIFORNIA</b>				4. PROJECT TITLE <b>STEAM DISTRIBUTION SYSTEM IMPROVEMENTS</b>		
5. PROGRAM ELEMENT <b>0702096H</b>		6. CATEGORY CODE <b>822.12</b>		7. PROJECT NUMBER <b>P-149</b>		8. PROJECT COST (\$000) <b>3.300</b>
9. COST ESTIMATES						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
STEAM DISTRIBUTION SYSTEM IMPROVEMENTS . . .	LS	-	-	2,980		
SUBTOTAL . . . . .	-	-	-	2,980		
CONTINGENCY (5%) . . . . .	-	-	-	150		
TOTAL CONTRACT COST. . . . .	-	-	-	3,130		
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	170		
TOTAL REQUEST. . . . .	-	-	-	3,300		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)		( 0)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION  Install welded-steel steam line with insulation, direct burial with expansion loops, manholes, steam traps, and valves.  11. REQUIREMENT: <u>As Required.</u> <u>PROJECT:</u> Expands steam distribution system to the south portion of Naval Station, San Diego. (Current mission.) <u>REQUIREMENT:</u> Adequate "cold-iron" steam service for berthing ships at Naval Station piers 10, 11 and 12, and to provide steam to proposed berthing and repair piers. <u>CURRENT SITUATION:</u> The steam line currently serving the southern section of the Naval Station is too small to adequately supply required pressure and quantities of steam to support "cold-iron" berthing of ships. The 6-inch line provides only enough steam for ships in the floating drydock. <u>IMPACT IF NOT PROVIDED:</u> Either Mobile Utility Support Equipment (MUSE) will need to be used to support "cold-iron" berthing or ships will have to operate on-board steam generation equipment. MUSE is designed for temporary use only and is not a long term solution to the steam system deficiency. Using on-board steam generation equipment requires ships be operationally manned while in port, contrary to Navy policy. Neither MUSE nor on-board steam generation is cost effective.						

(Continued on DD 1391c)

1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVY PUBLIC WORKS CENTER, SAN DIEGO, CALIFORNIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
STEAM DISTRIBUTION SYSTEM IMPROVEMENTS		P-149	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... <u>11-88</u>			
(b) Percent Complete as of January 1990..... <u>100</u>			
(c) Date Design 35% Complete..... <u>5-89</u>			
(d) Date Design Complete..... <u>1-90</u>			
(2) Basis:			
(a) Standard or Definitive Design: Yes <u>    </u> No <u>X</u>			
(b) Where Design Was Most Recently Used: <u>N/A</u>			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( <u>100</u> )			
(b) All Other Design Costs..... ( <u>130</u> )			
(c) Total..... <u>230</u>			
(d) Contract..... ( <u>180</u> )			
(e) In-house..... ( <u>50</u> )			
(4) Construction start..... <u>11-90</u>			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, SAN FRANCISCO, CALIFORNIA				4. COMMAND NAVAL FACILITIES ENGINEERING COMMAND		5. AREA CONSTR. COST INDEX 1.21				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	11	6	1284	0	0	0	0	0	0	1301
d. END FY 1994	13	6	1371	0	0	0	0	0	0	1390
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 686 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 124,370										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 33,730										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 11,200										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 3,000										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0										
g. REMAINING DEFICIENCY . . . . . 5,800										
h. GRAND TOTAL . . . . . 178,100										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE				
219.10	PUBLIC WORKS SHOPS			176,020 SF	11,200	11/88 01/90				
	TOTAL				11,200					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
811.09	ELEC POWER DIST			LS	3,000					
	TOTAL				3,000					
B. MAJOR PLANNED NEXT THREE YEARS: NONE										
10. MISSION OR MAJOR FUNCTIONS:										
Provide public works, public utilities, public housing, transportation support, engineering services, shore facilities planning support, and all other logistic support of a public works nature, incident thereto, required by the operating forces, dependent activities, and other commands served by the public works center.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										



1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, SAN FRANCISCO, CALIFORNIA			4. PROJECT TITLE PUBLIC WORKS SHOPS		
5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 219.10	7. PROJECT NUMBER P-061	8. PROJECT COST (\$000) 11,200		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PUBLIC WORKS SHOPS . . . . .	SF	176,020	-	7,700	
PUBLIC WORKS BUILDING . . . . .	SF	78,020	66.00	( 5,150)	
MAINTENANCE STORAGE WAREHOUSE RENOVATION .	SF	98,000	26.00	( 2,550)	
SUPPORTING FACILITIES. . . . .	-	-	-	2,410	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 850)	
UTILITIES . . . . .	LS	-	-	( 190)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 220)	
DEMOLITION . . . . .	LS	-	-	( 1,150)	
SUBTOTAL . . . . .	-	-	-	10,110	
CONTINGENCY (5%) . . . . .	-	-	-	510	
TOTAL CONTRACT COST. . . . .	-	-	-	10,620	
SUPERVISION, INSPECTION & OVERHEAD (5.5%).	-	-	-	580	
TOTAL REQUEST. . . . .	-	-	-	11,200	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Steel-frame building, insulated metal siding and roof, pile foundation, concrete floors, mezzanine, ventilation, fire protection system, utilities; renovation includes rearrangement of interior partitions and areas; demolition of two buildings.					
11. REQUIREMENT: 176,020 SF. ADEQUATE: 0 SF. SUBSTANDARD: (98,000) SF. PROJECT: Constructs public works shops facilities, renovates building for maintenance storage to consolidate functions. (Current mission.) REQUIREMENT: Adequate maintenance shops including woodworking, electrical, refrigeration, air-conditioning, heating, plumbing, metal working, machine, welding, painting, tool issue, office space and maintenance storage. The center provides repair and maintenance of supported military installation facilities, including installed equipment, and utility systems. Prudent management requires consolidation of existing functions into one central location. CURRENT SITUATION: Maintenance shops and associated materials storage functions occupy eight buildings at widely dispersed locations in Oakland. When the center was established in 1974, it was necessary to utilize whatever buildings were available at the supply center. Existing buildings to be vacated will either be converted to supply facilities or demolished for construction of new supply facilities. Costs of public works services					

(Continued on DD 1391c)

1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
3. INSTALLATION AND LOCATION <b>NAVY PUBLIC WORKS CENTER, SAN FRANCISCO, CALIFORNIA</b>		
4. PROJECT TITLE <b>PUBLIC WORKS SHOPS</b>	5. PROJECT NUMBER <b>P-061</b>	
<p>11. REQUIREMENT: (Continued)  <u>CURRENT SITUATION:</u> (Continued)  to the center's customers are higher because of less efficient operations inherent in using fragmented and widely dispersed facilities. Navy Public Works Centers are tasked to achieve competitiveness and cost effectiveness and, through their corporate improvement plans, to increase labor productivity by 25% and cut total cost for maintenance and repair services by 25%.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The center will not be able to continue with cost cutting efficiency improvements. Distances between shops, materials storage and administrative support facilities will continue to result in significant lost time and money in day-to-day operations.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> (1) Status:  (a) Date Design Started..... <u>11-88</u>  (b) Percent Complete as of January 1990..... <u>100</u>  (c) Date Design 35% Complete..... <u>5-89</u>  (d) Date Design Complete..... <u>1-90</u> </div> <div style="margin-left: 80px;"> (2) Basis:  (a) Standard or Definitive Design: Yes _____ No <u>X</u>  (b) Where Design Was Most Recently Used: <u>N/A</u> </div> <div style="margin-left: 80px;"> (3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)  (a) Production of Plans and Specifications..... ( <u>600</u> )  (b) All Other Design Costs..... ( <u>50</u> )  (c) Total..... <u>650</u>  (d) Contract..... ( <u>620</u> )  (e) In-house..... ( <u>30</u> ) </div> <div style="margin-left: 80px;"> (4) Construction start..... <u>1-91</u>  (month and year) </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT <b>NAVY</b>		FY 1991 <b>MILITARY CONSTRUCTION PROGRAM</b>				2. DATE				
3. INSTALLATION AND LOCATION <b>NAVAL WEAPONS STATION, SEAL BEACH, CALIFORNIA</b>			4. COMMAND <b>NAVAL SEA SYSTEMS COMMAND</b>		5. AREA CONSTR. COST INDEX <b>1.19</b>					
5. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	16	108	2396	0	0	0	0	0	0	2520
b. END FY 1994	13	108	2315	0	0	0	0	0	0	2438
<b>7. INVENTORY DATA (\$000)</b>										
a. TOTAL ACREAGE ( 13,981)										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 76,780										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 29,860										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 8,830										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 30,500										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 12,300										
g. REMAINING DEFICIENCY . . . . . 44,520										
h. GRAND TOTAL . . . . . 202,790										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
315.30	WEAPONS TEST & EVAL FAC				48,000 SF	8,830	11/88	01/90		
	TOTAL					8,830				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
212.30	MISSILE PRODUCTION FAC				49,000 SF	8,700				
316.10	TOMAHAWK TEST CELL				LS	1,500				
316.10	AMMUNITION LABORATORY				LS	3,700				
421.72	MISSILE MAGAZINES				17,790 SF	3,600				
421.72	MISSILE MAGAZINES				LS	10,500				
421.72	HARM MAGAZINE				LS	2,500				
	TOTAL					30,500				
10. MISSION OR MAJOR FUNCTIONS:										
Receive, store, issue and renovate all types of ammunition, maintain basic stocks, assemble, unload, check out, issue, maintain, repair and store designated missiles (including associated components, both explosive and inert); operate a weapons quality evaluation laboratory.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 700										
B: INSTALLATION RESTORATION 24,300										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, SEAL BEACH, CALIFORNIA			4. PROJECT TITLE WEAPONS TESTING AND EVALUATION FACILITY			
5. PROGRAM ELEMENT  0702096N		6. CATEGORY CODE  315.30	7. PROJECT NUMBER  P-171		8. PROJECT COST (\$000)  8,830	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
WEAPONS TESTING AND EVALUATION FACILITY. . .		SF	48,000	-	7,600	
BUILDING . . . . .		SF	48,000	116.00	(5,570)	
TEMPEST SHIELDING. . . . .		LS	-	-	( 790)	
BUILT-IN EQUIPMENT . . . . .		LS	-	-	(1,240)	
SUPPORTING FACILITIES. . . . .		-	-	-	370	
ELECTRICAL UTILITIES . . . . .		LS	-	-	( 130)	
MECHANICAL UTILITIES . . . . .		LS	-	-	( 60)	
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 70)	
DEMOLITION . . . . .		LS	-	-	( 110)	
SUBTOTAL . . . . .		-	-	-	7,970	
CONTINGENCY (5%) . . . . .		-	-	-	400	
TOTAL CONTRACT COST. . . . .		-	-	-	8,370	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . .		-	-	-	460	
TOTAL REQUEST. . . . .		-	-	-	8,830	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	(7,250)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Two-story reinforced concrete building, concrete foundation and floors, built-up roofing, fire protection system, solar-assisted environmental control, TEMPEST shielding, security systems, back-up electric power generators, utilities, air conditioning; demolition of four buildings.						
11. REQUIREMENT: <u>48,000</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>0</u> SF. PROJECT: Constructs a weapons engineering, operations and telemetry laboratory. (Current mission.) REQUIREMENT: Adequate facility with controlled environment to support the integrated assessment of battle group performance with its enormous increase in complexity of the individual weapons systems. The integration of hundreds of weapons systems and people in the battle group so they operate together successfully is dependent on being able to assess their performance and provide timely feedback to validate tactics, determine readiness and capability, devise corrective actions where needed, and identify additional training. The assessment of battle group performance requires facilities for real-time, secure communications and computer-based analysis tools such as interactive graphics and distributed data bases. This facility is essential to providing the required comprehensive assessment of battle group performance. CURRENT SITUATION: Some elements of the integrated assessment of battle group performance are not being done because there is a lack of adequate						

(Continued on DD 1391c)

1. COMPONENT  NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION  NAVAL WEAPONS STATION, SEAL BEACH, CALIFORNIA		
4. PROJECT TITLE  WEAPONS TESTING AND EVALUATION FACILITY	5. PROJECT NUMBER  P-171	
<p>11. REQUIREMENT: (Continued)  <u>CURRENT SITUATION:</u> (Continued)  facilities and equipment. The assessment functions are being done in converted former hospital wards at the Corona site. Weapons systems and battle group elements are analyzed individually based on both automatically and manually collected data. All forms of data are transferred to Corona by courier or mail which introduces significant delays. This data analysis process uses paper as the medium for information display which is time-consuming and labor-intensive relative to electronics. Results of the individual elements are integrated after completion of the analysis process to assess battle group level performance. This approach is limited by time available and usually results in the inability to fully assess the many complex interactions taking place. There is the chance of overlooking an obscure but important finding because of the quantity of information that must be processed without the tools of modern computing technology.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Complete information to be gained from large scale fleet exercises will continue to be lost because of the lack of adequate facilities for assessment. Lessons that could be learned about fleet readiness, tactics and weapons, sensors and communications performance will be denied.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> (1) Status:  (a) Date Design Started..... <u>11-88</u>  (b) Percent Complete as of January 1990..... <u>100</u>  (c) Date Design 35% Complete..... <u>5-89</u>  (d) Date Design Complete..... <u>1-90</u> </div> <div style="margin-left: 80px;"> (2) Basis:  (a) Standard or Definitive Design:      Yes      No      <u>X</u>  (b) Where Design Was Most Recently Used:      <u>N/A</u> </div> <div style="margin-left: 80px;"> (3) Total cost (c) = (a) + (b) or (d) + (e):      (<u>\$000</u>)  (a) Production of Plans and Specifications..... (<u>440</u>)  (b) All Other Design Costs..... (<u>200</u>)  (c) Total..... (<u>640</u>)  (d) Contract..... (<u>600</u>)  (e) In-house..... (<u>40</u>) </div>		

(Continued on DD 1391c)

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL WEAPONS STATION, SEAL BEACH, CALIFORNIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
WEAPONS TESTING AND EVALUATION FACILITY		P-171	
12. SUPPLEMENTAL DATA: (Continued)			
(4) Construction start..... <u>1-91</u> (month and year)			
b. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>
Graphic Work Stations, Computer Systems, Large Screen Displays	NIF(ACP)	1990 - 1994	7,250

1. COMPONENT NAVY		FY 1981 MILITARY CONSTRUCTION PROGRAM						2. DATE			
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY, SKAGGS ISLAND, CALIFORNIA				4. COMMAND NAVAL SECURITY GROUP COMMAND		5. AREA CONSTR. COST INDEX 1.21					
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88		16	270	47	0	10	0	0	0	0	343
b. END FY 1984		18	267	47	0	56	0	0	0	0	388
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 3,308 )											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 12,600											
c. AUTHORIZATION NOT YET IN INVENTORY. . . . . 0											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 1,480											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0											
g. REMAINING DEFICIENCY. . . . . 19,990											
h. GRAND TOTAL . . . . . 34,070											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE				
841.50	POTABLE WATER SYSTEM				LS	1,480	10/88 09/89				
	TOTAL					1,480					
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM NONE											
B. MAJOR PLANNED NEXT THREE YEARS: NONE											
10. MISSION OR MAJOR FUNCTIONS:											
Station is part of the worldwide telecommunications system, providing tactical ship-to-shore and point-to-point communications for the Navy Defense Communications System and Naval Security Group operations.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 10											
B: INSTALLATION RESTORATION 30											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT <b>NAVY</b>	<b>FY 19 91 MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL SECURITY GROUP ACTIVITY, SKAGGS ISLAND, CALIFORNIA</b>			4. PROJECT TITLE <b>POTABLE WATER SYSTEM</b>	
5. PROGRAM ELEMENT <b>0305896N</b>	6. CATEGORY CODE <b>841.50</b>	7. PROJECT NUMBER <b>P-073</b>	8. PROJECT COST (\$000) <b>1,472</b>	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
POTABLE WATER SYSTEM . . . . .	LS	-	-	1,030
WELL . . . . .	LS	-	-	( 230)
PIPELINE . . . . .	LS	-	-	( 800)
SUPPORTING FACILITIES. . . . .	-	-	-	300
UTILITIES. . . . .	LS	-	-	( 200)
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 100)
SUBTOTAL . . . . .	-	-	-	1,330
CONTINGENCY (5%) . . . . .	-	-	-	70
TOTAL CONTRACT COST. . . . .	-	-	-	1,400
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .	-	-	-	72
TOTAL REQUEST. . . . .	-	-	-	1,472
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
Water well; 6-inch pipeline; pumping station; right-of-way easement; emergency electric power; intrusion and chlorination detection system.				
11. REQUIREMENT: As Required.				
PROJECT: Provides a 200 GPM potable water well with submersible pump, valving, treatment facilities, piping; acquires interest in approximately 0.25 acres of land. (Current mission.)				
REQUIREMENT: A dependable potable water supply to accommodate the domestic water needs of 280 military personnel and their dependents, and civilian personnel working at the activity. Provide adequate cooling and fire protection water with required pressure.				
CURRENT SITUATION: Potable water is currently provided by wells on Skaggs Island. The only reliable source of acceptable quality water to meet minimum demand is well 6. Other wells either do not meet water quality standards or cannot maintain sufficient capacity because of drawdown. Water wells currently can meet only minimum domestic demand without breakdown or unforeseen needs such as a fire protection requirement.				
IMPACT IF NOT PROVIDED: Failure or degradation of well 6 would necessitate restricting operations because cooling water or fire protection water may not be available. A loss of potable water would pose unacceptable health and safety risks to personnel and could result in an evacuation of government quarters.				
(Continued on DD 1391c)				



1. COMPONENT  NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																						
3. INSTALLATION AND LOCATION  NAVAL SECURITY GROUP ACTIVITY, SKAGGS ISLAND, CALIFORNIA																								
4. PROJECT TITLE  POTABLE WATER SYSTEM	5. PROJECT NUMBER  P-073																							
<p>11. REQUIREMENT: (Continued)</p> <p><b>ADDITIONAL:</b> An economic analysis comparing construction of an off-site water well and 33,080-feet of pipeline with construction of a water treatment plant and connection to the closest water agency has been completed. Construction of the well and pipeline was shown as the most economic solution to provide a sufficient and dependable quantity of potable water meeting water quality standards.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <table style="margin-left: 20px;"> <tr><td>(a) Date Design Started.....</td><td style="text-align: right;">10-88</td></tr> <tr><td>(b) Percent Complete as of January 1990.....</td><td style="text-align: right;">100</td></tr> <tr><td>(c) Date Design 35% Complete.....</td><td style="text-align: right;">3-89</td></tr> <tr><td>(d) Date Design Complete.....</td><td style="text-align: right;">9-89</td></tr> </table> <p>(2) Basis:</p> <table style="margin-left: 20px;"> <tr><td>(a) Standard or Definitive Design:</td><td style="text-align: right;">Yes _____ No <u>X</u></td></tr> <tr><td>(b) Where Design Was Most Recently Used:</td><td style="text-align: right;"><u>N/A</u></td></tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="margin-left: 20px;"> <tr><td>(a) Production of Plans and Specifications.....</td><td style="text-align: right;">( <u>50</u> )</td></tr> <tr><td>(b) All Other Design Costs.....</td><td style="text-align: right;">( <u>5</u> )</td></tr> <tr><td>(c) Total.....</td><td style="text-align: right;"><u>55</u></td></tr> <tr><td>(d) Contract.....</td><td style="text-align: right;">( <u>45</u> )</td></tr> <tr><td>(e) In-house.....</td><td style="text-align: right;">( <u>10</u> )</td></tr> </table> <p>(4) Construction start..... <u>10-90</u> (month and year)</p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>			(a) Date Design Started.....	10-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	3-89	(d) Date Design Complete.....	9-89	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( <u>50</u> )	(b) All Other Design Costs.....	( <u>5</u> )	(c) Total.....	<u>55</u>	(d) Contract.....	( <u>45</u> )	(e) In-house.....	( <u>10</u> )
(a) Date Design Started.....	10-88																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	3-89																							
(d) Date Design Complete.....	9-89																							
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	<u>N/A</u>																							
(a) Production of Plans and Specifications.....	( <u>50</u> )																							
(b) All Other Design Costs.....	( <u>5</u> )																							
(c) Total.....	<u>55</u>																							
(d) Contract.....	( <u>45</u> )																							
(e) In-house.....	( <u>10</u> )																							

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA				4. COMMAND COMMANDANT OF THE MARINE CORPS		5. AREA CONSTR. COST INDEX 1.32				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	221	1448	1204	30	2400	0	484	5336	0	11093
d. END FY 1994	190	1275	627	30	2431	0	482	5447	770	11252
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 585,589 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 181,370										
c. AUTHORIZATION NOT YET IN INVENTORY 100,110										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 10,100										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 9,000										
f. PLANNED IN NEXT THREE PROGRAM YEARS 25,880										
g. REMAINING DEFICIENCY 147,250										
h. GRAND TOTAL 473,710										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS				
214.53	FIELD MAINTENANCE SHOP			4,730 SF	3,600	11/88	01/90			
214.55	INDUST WSTWTR TRTMTN FACS			LS	2,200	11/88	01/90			
841.40	POTABLE WATER STORAGE TANK			4,500,000 GA	4,300	11/88	01/90			
	TOTAL				10,100					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
143.45	ARMORY			LS	1,600					
740.74	CHILD CARE CENTER			25,550 SF	4,100					
831.10	NON-POTABLE WATER SYSTEM			760,000 GA	3,300					
	TOTAL				9,000					
B. MAJOR PLANNED NEXT THREE YEARS:										
111.10	CONCRETE RUNWAY			218,120 SY	19,000					
740.74	COMM LIB & EDUCATNL CTR			46,880 SF	6,250					
10. MISSION OR MAJOR FUNCTIONS:										
Provide housing, training facilities, logistical, and administrative support for Fleet Marine Force units and other units assigned. Operate the Communication-Electronics School, and administer and conduct the air-ground training program for combined training of Fleet Marine Force units, both active and reserve.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 600										
B: INSTALLATION RESTORATION 7,340										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT <b>NAVY</b>		2. DATE		
<b>FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA</b>				
3. INSTALLATION AND LOCATION <b>MARINE CORPS AIR GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA</b>			4. PROJECT TITLE <b>FIELD MAINTENANCE SHOP</b>	
5. PROGRAM ELEMENT <b>0206496M</b>	6. CATEGORY CODE <b>214.53</b>	7. PROJECT NUMBER <b>P-428</b>	8. PROJECT COST (\$000) <b>3,600</b>	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FIELD MAINTENANCE SHOP . . . . .	SF	4,730	-	2,790
BUILDING . . . . .	SF	4,730	141.00	( 670)
BUILT-IN EQUIPMENT . . . . .	LS	-	-	(2,120)
SUPPORTING FACILITIES. . . . .	-	-	-	460
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 60)
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 70)
MECHANICAL UTILITIES . . . . .	LS	-	-	( 130)
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 200)
SUBTOTAL . . . . .	-	-	-	3,250
CONTINGENCY (5%) . . . . .	-	-	-	160
TOTAL CONTRACT COST. . . . .	-	-	-	3,410
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .	-	-	-	190
TOTAL REQUEST. . . . .	-	-	-	3,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>				
One-story steel frame building, concrete foundation and floor, tilt-up reinforced concrete wall panels, steel roof framing, rigid insulation, built-up roof, overhead bridge crane, fire protection system, ventilation and air conditioning, security system, fuel storage tanks, utilities.				
<b>11. REQUIREMENT: 73,160 SF. ADEQUATE: 68,430 SF. SUBSTANDARD: 0 SF.</b> <b>PROJECT:</b> Constructs a maintenance shop building and supporting facilities for fourth echelon repair of tactical equipment stationed at the center. (Current mission.) <b>REQUIREMENT:</b> Adequate and properly-configured facilities to support maintenance of the M1A1 tank being assigned to this center in 1989. This tank has features that require maintenance facilities not currently available at this center. The M1A1 tanks' weight, size, and engine type require maintenance bays with twice the floor space needed for other tanks, a 40-ton capacity overhead crane, and a positive pressure sound isolation room for testing the gas turbine. <b>CURRENT SITUATION:</b> Detachment "A" First Service Support Group performs major overhauls on tactical equipment stationed at this center. This equipment must be maintained in a constant state of combat readiness. Existing maintenance facilities are fully utilized. There are no facilities which can provide the needed isolation room and 40-ton crane capability, both of which are essential to M1A1 tank maintenance.				
(Continued on DD 1391c)				

1. COMPONENT	2. DATE
NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA
3. INSTALLATION AND LOCATION	
MARINE CORPS AIR GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA	
4. PROJECT TITLE	5. PROJECT NUMBER
FIELD MAINTENANCE SHOP	P-428
11. REQUIREMENT: (Continued)	
IMPACT IF NOT PROVIDED: This center will be unable to maintain the M1A1 tanks. An estimated 70 tanks per year would be shipped to MCLB Barstow for maintenance. Mission readiness of the Fleet Marine Force Third Tank Battalion would be impaired. The ability to repair tanks damaged during combined arms exercises would be eliminated with an adverse impact on training.	
12. SUPPLEMENTAL DATA:	
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")	
(1) Status:	
(a) Date Design Started.....	<u>11-88</u>
(b) Percent Complete as of January 1990.....	<u>100</u>
(c) Date Design 35% Complete.....	<u>5-89</u>
(d) Date Design Complete.....	<u>1-90</u>
(2) Basis:	
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>
(b) Where Design Was Most Recently Used:	<u>N/A</u>
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)	
(a) Production of Plans and Specifications.....	( <u>190</u> )
(b) All Other Design Costs.....	( <u>150</u> )
(c) Total.....	<u>340</u>
(d) Contract.....	( <u>285</u> )
(e) In-house.....	( <u>55</u> )
(4) Construction start..... <u>1-91</u>	
(month and year)	
b. Equipment associated with this project which will be provided from other appropriations: None.	

1. COMPONENT NAVY		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA			4. PROJECT TITLE POTABLE WATER STORAGE TANK		
5. PROGRAM ELEMENT 0206496M	6. CATEGORY CODE 841.40	7. PROJECT NUMBER P-447	8. PROJECT COST (\$000) 4,300		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
POTABLE WATER STORAGE TANK . . . . .	MG	4.5	-	3,890	
STEEL TANK . . . . .	LS	-	-	(2,300)	
PIPING . . . . .	LS	-	-	(1,170)	
PUMP STATION AND CONTROL SYSTEM. . . . .	LS	-	-	( 110)	
UTILITIES. . . . .	LS	-	-	( 310)	
SUBTOTAL . . . . .	-	-	-	3,890	
CONTINGENCY (5%) . . . . .	-	-	-	190	
TOTAL CONTRACT COST. . . . .	-	-	-	4,080	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	220	
TOTAL REQUEST. . . . .	-	-	-	4,300	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)	-	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One 4.5 million gallon steel water storage tank, supply pump station, water distribution system piping, inter-connections between the new and existing reservoirs; utilities.					
11. REQUIREMENT: 6.5 MG. ADEQUATE: 2.0 MG. SUBSTANDARD: 0 MG. PROJECT: Provides additional water storage capacity for increased water pressure to meet fire-safety standards. (Current mission.) REQUIREMENT: Adequate and sufficient water capacity at the pressure necessary to extinguish fires and furnish domestic and industrial water demands. CURRENT SITUATION: Potable water is obtained from Surprise Springs Water Basin ten miles from the center. Pipelines convey water by gravity flow across historically active earthquake faults to the center. Because of the sparsely populated Mojave Desert, it is unlikely major repairs to the water transmission mains or the electrical power supply to the well field could be made in less than five days, if a disaster would occur. IMPACT IF NOT PROVIDED: A disruption of water transmission from the wells to the existing storage tanks would result in the supply being depleted before repairs could be made. Without water, the center would close and force 10,000 residents to seek other shelter. Potential loss from fire during this period would be an unacceptable risk.					
(Continued on DD 1391c)					

1. COMPONENT	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE
NAVY			
3. INSTALLATION AND LOCATION			
MARINE CORPS AIR-GROUND COMBAT CENTER, TWENTYNINE PALMS, CALIFORNIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
POTABLE WATER STORAGE TANK		P-447	
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... <u>11-88</u></p> <p>(b) Percent Complete as of January 1990..... <u>100</u></p> <p>(c) Date Design 35% Complete..... <u>5-89</u></p> <p>(d) Date Design Complete..... <u>1-90</u></p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes <u>    </u> No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( <u>225</u> )</p> <p>(b) All Other Design Costs..... ( <u>165</u> )</p> <p>(c) Total..... <u>390</u></p> <p>(d) Contract..... ( <u>350</u> )</p> <p>(e) In-house..... ( <u>40</u> )</p> <p>(4) Construction start..... <u>1-91</u> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION  NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT					4. COMMAND  COMMANDER IN CHIEF, ATLANTIC FLEET			5. AREA CONSTR. COST INDEX  1.17			
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1994		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
		1119	9423	1990	291	2307	0	11	357	0	
		1126	9303	2030	562	2726	0	11	357	0	16135
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 1,405 )											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 241,580											
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 17,600											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 26,700											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 30,000											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 73,610											
g. REMAINING DEFICIENCY . . . . . 10,510											
h. GRAND TOTAL . . . . . 399,650											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE			SCOPE		COST (\$000)		DESIGN STATUS START COMPLETE		
154.20		QUAYWALL REPLACEMENT			LS		9,100		11/88 01/90		
165.10		THAMES RIVER DREDGING			2,000,000 CY		7,770		12/88 06/90		
724.11		BACHELOR OFFICER QTRS MODN			105,530 SF		4,700		11/88 01/90		
811.25		STEAM TURBINE GENERATOR			LS		4,700		11/88 01/90		
		TOTAL					26,270				
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
151.50		REPLACE PIER 1			LS		7,200				
411.10		UNDERGROUND TANK REPLACMNT			LS		3,000				
441.10		WAREHOUSE IMPR			LS		4,000				
721.11		BEQ			LS		12,400				
911.10		LAND ACQUISITION			LS		3,400				
		TOTAL					30,000				
10. MISSION OR MAJOR FUNCTIONS:											
Serves as homeport for operational attack submarines of the Atlantic Fleet, providing refit, maintenance, replenishment, training, and ordnance support. Serves as host to other commands located on the base. Training and other support of FBM submarine off-crews.											
Submarine Support Facility						Submarine Squadron Ten (State Pier)					
Submarine Squadron Two						Submarine Development Squadron 12					
Submarine Medical Center (Hospital)						Submarine Medical Research Laboratory					
Submarine School						Naval Undersea Medical Institute					
						Marine Barracks					
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 10											
B: INSTALLATION RESTORATION 14,400											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT			4. PROJECT TITLE BACHELOR OFFICER QUARTERS MODERNIZATION		
5. PROGRAM ELEMENT 0204896N	6. CATEGORY CODE 724.11	7. PROJECT NUMBER P-130	8. PROJECT COST (\$000) 4,700		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
BACHELOR OFFICER QUARTERS MODERNIZATION. . .	SF	105,530	40.00	4,170	
SUPPORTING FACILITIES. . . . .	-	-	-	80	
UTILITIES. . . . .	LS	-	-	( 80)	
SUBTOTAL. . . . .	-	-	-	4,250	
CONTINGENCY (5%). . . . .	-	-	-	210	
TOTAL CONTRACT COST. . . . .	-	-	-	4,460	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	240	
TOTAL REQUEST. . . . .	-	-	-	4,700	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)	-	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Alterations in three buildings including partitions, new floor, wall, and ceiling coverings, bathroom fixtures, doors, intercom system, telephone and cable TV outlets, fire protection and alarm systems, air conditioning, utilities; energy monitoring and control system; stairs.</p> <p>Grade mix: 54 W1-02, 51 03-above. Total: 105.</p>					
<p>11. REQUIREMENT: 641 PN. ADEQUATE: 428 PN. SUBSTANDARD: 105 PN.</p> <p>PROJECT: Provides adequate billeting for 105 officer personnel. (Current mission.)</p> <p>REQUIREMENT: Adequate housing for 641 officer personnel who are either assigned duty at the base or are officer students attending one of the various schools.</p> <p>CURRENT SITUATION: Existing berthing capacity of 428 spaces, including 105 substandard spaces requiring modernization, and accommodations found by 323 personnel in the local community, is insufficient, resulting in overcrowding. After modernization of the spaces requested by this project, a new construction deficiency of 213 adequate billeting spaces will exist. This remaining projected space deficit will be satisfied by a follow-on project currently unprogrammed. All projected space requirements are revalidated annually by a new survey, which updates planning projections.</p> <p>IMPACT IF NOT PROVIDED: Adequate living quarters for bachelor officers will continue to be unavailable, resulting in degradation of morale, training, and career retention efforts. (Continued on DD 1391c)</p>					



1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT			
4. PROJECT TITLE		5. PROJECT NUMBER	
BACHELOR OFFICER QUARTERS MODERNIZATION		P-130	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... <u>11-88</u>			
(b) Percent Complete as of January 1990..... <u>100</u>			
(c) Date Design 35% Complete..... <u>5-89</u>			
(d) Date Design Complete..... <u>1-90</u>			
(2) Basis:			
(a) Standard or Definitive Design: Yes _____ No <u>X</u>			
(b) Where Design Was Most Recently Used: <u>N/A</u>			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( <u>255</u> )			
(b) All Other Design Costs..... ( <u>70</u> )			
(c) Total..... <u>325</u>			
(d) Contract..... ( <u>275</u> )			
(e) In-house..... ( <u>50</u> )			
(4) Construction start..... <u>12-90</u>			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT <b>NAVY</b>		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT</b>				4. PROJECT TITLE <b>QUAYWALL REPLACEMENT</b>		
5. PROGRAM ELEMENT <b>0204896N</b>		6. CATEGORY CODE <b>154.20</b>	7. PROJECT NUMBER <b>P-413</b>		8. PROJECT COST (\$000) <b>9,100</b>	
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
QUAYWALL REPLACEMENT . . . . .		LS	-	-	7,800	
QUAYWALL . . . . .		LF	860	7,710	(6,630)	
DREDGING . . . . .		LS	-	-	(1,170)	
SUPPORTING FACILITIES . . . . .		-	-	-	420	
ELECTRICAL UTILITIES . . . . .		LS	-	-	( 100)	
MECHANICAL UTILITIES . . . . .		LS	-	-	( 320)	
SUBTOTAL . . . . .		-	-	-	8,220	
CONTINGENCY (5%) . . . . .		-	-	-	410	
TOTAL CONTRACT COST. . . . .		-	-	-	8,630	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .		-	-	-	470	
TOTAL REQUEST. . . . .		-	-	-	9,100	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-(NON-ADD)		( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION  Replace concrete retaining wall with concrete platform on steel H-piles with rip-rap slope; replace steel sheet pile bulkhead with sheet pile and concrete platform supported by rigid steel "A" frame; replace timber relieving platform and timber sheeting with concrete relieving platform over existing and new sheet pile bulkhead; all three sections include fendering, cathodic protection, street lights, storm drains and pavement; dredging and rock excavation.						
11. REQUIREMENT: <u>As Required.</u> <u>PROJECT:</u> Replaces concrete retaining wall section north of Piers 33 and 15; replaces steel sheet pile bulkhead north of Marina Pier; includes dredging and rock excavation north of Pier 33 to provide sufficient water depth. (Current mission.) <u>REQUIREMENT:</u> Adequate repair of the quaywall to protect facilities such as the waterfront road, which is the primary weapons handling route from weapons storage to the submarines, the torpedo wire rewind shop; the torpedo handling equipment maintenance shop; the waterfront safe-haven for torpedoes during electrical storms; underground utilities; and berthing for service craft. The quaywall is a structurally integral component of the submarine base waterfront, providing a non-eroding interface between the river and the shore. It allows the patrol road and the utility systems to						
(Continued on DD 1391c)						

1. COMPONENT		2. DATE													
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA													
3. INSTALLATION AND LOCATION															
NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT															
4. PROJECT TITLE		5. PROJECT NUMBER													
QUAYWALL REPLACEMENT		P-413													
<p>11. REQUIREMENT: (Continued)</p> <p>run parallel to the river without the threat of their being undermined and damaged by water erosion. It is necessary to replace sections of the deteriorated and severely damaged quaywall to prevent the road and utilities from eventually collapsing into the Thames River. There are several shops and buildings sited close to the water's edge that also depend on the quaywall for their foundations' structural integrity.</p> <p><u>CURRENT SITUATION:</u> Deterioration of sheet piling and the concrete retaining wall in the vicinity of Piers 33 and 15 and the Marina Pier is allowing fill material to leak, causing an increasing number of waterfront roadway cave-ins. Conditions along the waterfront are hazardous for vehicles and weight handling equipment. The roadway running parallel to the quaywall is the principal route for the weapons delivery vehicles moving torpedoes and other weapons from the storage area to the submarine piers. Loss of this road would necessitate a re-routing of all traffic including the weapons delivery vehicles to a road which passes in front of a family housing area. Utility systems behind the bulkhead are threatened with disruption, which would severely interfere with submarine repair operations at the floating drydocks. Torpedo support shops located near the waterfront would become unusable if the material under their foundations were to wash away. Because of severe deterioration, repair is not a feasible alternative.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The quaywall will continue to deteriorate with possible collapse of the waterfront road and utilities causing severe reduction of support to submarines and submarine maintenance functions. Torpedo support shops would be unusable if their foundations were damaged through quaywall collapse.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started.....</td> <td><u>11-88</u></td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td><u>100</u></td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td><u>5-89</u></td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td><u>1-90</u></td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes <u>    </u> No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td><u>N/A</u></td> </tr> </table> <p>(Continued on DD 1391c)</p>				(a) Date Design Started.....	<u>11-88</u>	(b) Percent Complete as of January 1990.....	<u>100</u>	(c) Date Design 35% Complete.....	<u>5-89</u>	(d) Date Design Complete.....	<u>1-90</u>	(a) Standard or Definitive Design:	Yes <u>    </u> No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>
(a) Date Design Started.....	<u>11-88</u>														
(b) Percent Complete as of January 1990.....	<u>100</u>														
(c) Date Design 35% Complete.....	<u>5-89</u>														
(d) Date Design Complete.....	<u>1-90</u>														
(a) Standard or Definitive Design:	Yes <u>    </u> No <u>X</u>														
(b) Where Design Was Most Recently Used:	<u>N/A</u>														

1. COMPONENT	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE
NAVY			
3. INSTALLATION AND LOCATION			
NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT			
4. PROJECT TITLE		5. PROJECT NUMBER	
QUAYWALL REPLACEMENT		P-413	
12. SUPPLEMENTAL DATA: (Continued)			
(3) Total cost (c) = (a) + (b) or (d) + (e):		(\$000)	
(a) Production of Plans and Specifications.....		( 0 )	
(b) All Other Design Costs.....		( 430 )	
(c) Total.....		430	
(d) Contract.....		( 125 )	
(e) In-house.....		( 305 )	
(4) Construction start.....		12-90	
		(month and year)	
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT <b>NAVY</b>		2. DATE <b>FY 19 91 MILITARY CONSTRUCTION PROJECT DATA</b>		
3. INSTALLATION AND LOCATION <b>NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT</b>		4. PROJECT TITLE <b>STEAM TURBINE GENERATOR</b>		
5. PROGRAM ELEMENT <b>0204896N</b>	6. CATEGORY CODE <b>811.25</b>	7. PROJECT NUMBER <b>P-391</b>	8. PROJECT COST (\$000) <b>4,700</b>	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
STEAM TURBINE GENERATOR . . . . .	LS	-	-	4,250
SUBTOTAL . . . . .	-	-	-	4,250
CONTINGENCY (5%) . . . . .	-	-	-	210
TOTAL CONTRACT COST. . . . .	-	-	-	4,460
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	240
TOTAL REQUEST. . . . .	-	-	-	4,700
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
Install steam driven turbine electric power generator including condenser, piping, valves, controls and metering; structural modifications; electrical system modifications.				
11. REQUIREMENT: <u>As Required.</u>				
PROJECT: Provides a 11,500 kilowatt steam driven turbine electric power generator, ancillary equipment, and modifications to the power plant building and its utilities. (Current mission.)				
REQUIREMENT: Assure adequate uninterrupted electrical service for ashore facilities, for peak shaving, and emergency conditions in support of base operations and the submarines and support ships homeported.				
CURRENT SITUATION: The electric power generating capability is insufficient to support the base-wide demand when purchased power is down. Existing capacity can support the afloat units, but not shore facilities. The existing peak ashore load demand is 15,000 KW and the afloat demand is 8,000 KW. A recent study of the future demand projects a peak ashore demand of 22,000 KW and peak afloat demand of 20,000 KW by 1993. The existing power generating capacities of the power plant with all turbines running at full continuous capacity is 9,500 KW, barely enough to meet afloat demand today. This project will close the gap for required shore peak power demand. As the base continues its rapid development, the present capability of the power plant to support all activities during				
(Continued on DD 1391c)				

1. COMPONENT NA'Y	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION  NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT		
4. PROJECT TITLE  STEAM TURBINE GENERATOR	5. PROJECT NUMBER  P-391	
<p>11. REQUIREMENT: (Continued)  <u>CURRENT SITUATION:</u> (Continued)  commercial power outages becomes even less effective. Load shedding drills have established that no more than ten percent reduction of the ashore facilities can be achieved without significant impact on operations. Existing electrical generating capability is also insufficient for providing economical peak shaving. Peak demands have resulted in high penalty costs charged by the commercial supplier. To avoid these penalties, the base utilizes its own generating capability to shave off the peaks thereby keeping purchased power within an acceptable range, and avoiding penalty charges which can amount to nearly \$1 million per year.  <u>IMPACT IF NOT PROVIDED:</u> Widespread load shedding in the event of loss of commercial power will be necessary. This will adversely impact base operations. Undesirable penalty costs will be incurred as a result of inadequate peak shaving capacity.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> (1) Status:  (a) Date Design Started..... 11-88  (b) Percent Complete as of January 1990..... 100  (c) Date Design 35% Complete..... 5-89  (d) Date Design Complete..... 1-90 </div> <div style="margin-left: 80px;"> (2) Basis:  (a) Standard or Definitive Design: Yes _____ No <u>X</u>  (b) Where Design Was Most Recently Used: <u>N/A</u> </div> <div style="margin-left: 80px;"> (3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)  (a) Production of Plans and Specifications..... ( 20 )  (b) All Other Design Costs..... ( 50 )  (c) Total..... 290  (d) Contract..... ( 255 )  (e) In-house..... ( 35 ) </div> <div style="margin-left: 80px;"> (4) Construction start..... 12-90  (month and year) </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
NAVY						
3. INSTALLATION AND LOCATION			4. PROJECT TITLE			
NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT			THAMES RIVER DREDGING			
5. PROGRAM ELEMENT		6. CATEGORY CODE	7. PROJECT NUMBER		8. PROJECT COST (\$000)	
0204896N		165.10	P-424		7.770	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
THAMES RIVER DREDGING. . . . .		LS	-	-	13,000	
SUBTOTAL . . . . .		-	-	-	13,000	
LESS: NATO SHARE. . . . .		-	-	-	-5,990	
SUBTOTAL . . . . .		-	-	-	7,010	
CONTINGENCY (5%) . . . . .		-	-	-	350	
TOTAL CONTRACT COST. . . . .		-	-	-	7,360	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .		-	-	-	410	
TOTAL REQUEST. . . . .		-	-	-	7,770	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0 )	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Dredging to deepen Thames River main ship channel, operating and maneuvering areas, and alongside Piers 32 and 33.						
11. REQUIREMENT: As Required.						
PROJECT: Provides dredging of the Thames River and operating areas at the base in support of SSN-21 SEAWOLF nuclear-powered attack submarines. (New mission.)						
REQUIREMENT: Adequate access up river to Piers 32 and 33 for SSN-21 operational evaluations and eventual homeporting. The Navy plans to construct the SSN-21 class submarine to succeed the SSN-688 Los Angeles class. The emphasis in this class will be improved machinery and combat systems in both sensors, quieting, and additional weapons. Increased hull diameter, and therefore greater draft, will permit bow-mounted, large-diameter torpedo tubes for "swim-out" torpedoes. Thirty SSN-21 submarines will be constructed carrying about twice the number of tube-launched weapons as previous classes. Budget requests for long-lead funding began in FY 1989. First delivery to the fleet for operational evaluations is expected in 1994. Dredging is required in the ship channel from Electric Boat, Groton to just north of Pier 33, the northern most pier at this base. Operating and maneuvering areas adjacent to the ship channel in the vicinity of base piers will be dredged to permit proper and safe berthing or getting underway of submarines. Dredging alongside the two designated SSN-21 piers, Piers 32 and 33, is also required. Operational evaluation of the newly constructed submarines is scheduled to begin at						
(Continued on DD 1391c)						

1. COMPONENT		2. DATE												
NAVY														
FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA														
3. INSTALLATION AND LOCATION														
NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT														
4. PROJECT TITLE		5. PROJECT NUMBER												
THAMES RIVER DREDGING		P-424												
<p>11. REQUIREMENT: (Continued)</p> <p>New London in 1994. Future homeporting is proposed to begin in the year 2000. New London is the Atlantic Fleet's primary submarine evaluation, homeport, and training base. It is located just up the river from Electric Boat, Groton, one of only two companies which build the Navy's nuclear-powered submarines. Boats must be fully evaluated by the Navy prior to acceptance into the fleet and for continued production of additional boats by the contractor. The maximum draft of the SSN-21 will be 36 feet compared to 29 to 32 feet of the current attack submarine force. A dredged depth of 42 feet is required to provide a five-foot clearance and one foot of maintenance overdredge. An additional one foot of depth will be provided at pierside to permit diver inspection of the submarine hulls. The ship channel south of Electric Boat has a depth in excess of 42 feet to the ocean.</p> <p><u>CURRENT SITUATION:</u> The existing Thames River ship channel and operating and maneuvering areas do not have sufficient depth to allow passage of the new class of submarines. The channel north of Electric Boat averages a depth of 37 feet. Depths alongside Piers 32 and 33 are also inadequate for this submarine, varying in depth from 33 to 36 feet. These piers were selected as the SSN-21 support piers because they are of fairly recent construction, more isolated from the main operating area than the other piers, and will be easier to secure. None of the other base piers has sufficient dredged depth for the SSN-21.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Operational evaluation and future homeporting of SEAWOLF SSN's will not be possible at New London. FY 1991 is not premature considering the risks of work stoppages and delays because of the permitting process, environmental litigation, weather, switch to a more remote dump site, hard dredging in rock, and other unforeseen conditions. Empirical data from dredging for SSN 688 shows a similar FY 1973 project in the Thames River reached initial operating capability in late 1975, with only some of the above noted risks being experienced.</p> <p><u>ADDITIONAL:</u> Based on allocation of submarines to NATO forces, NATO is contributing \$5.99 million of the cost for dredging.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part 11 of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table> <tr> <td>(a)</td> <td>Date Design Started.....</td> <td>12-88</td> </tr> <tr> <td>(b)</td> <td>Percent Complete as of January 1990.....</td> <td>35</td> </tr> <tr> <td>(c)</td> <td>Date Design 35% Complete.....</td> <td>7-89</td> </tr> <tr> <td>(d)</td> <td>Date Design Complete.....</td> <td>6-90</td> </tr> </table> <p>(Continued on DD 1391c)</p>			(a)	Date Design Started.....	12-88	(b)	Percent Complete as of January 1990.....	35	(c)	Date Design 35% Complete.....	7-89	(d)	Date Design Complete.....	6-90
(a)	Date Design Started.....	12-88												
(b)	Percent Complete as of January 1990.....	35												
(c)	Date Design 35% Complete.....	7-89												
(d)	Date Design Complete.....	6-90												



1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL SUBMARINE BASE, NEW LONDON, CONNECTICUT			
4. PROJECT TITLE		5. PROJECT NUMBER	
THAMES RIVER DREDGING		P-424	
12. SUPPLEMENTAL DATA: (Continued)			
(2) Basis:			
(a) Standard or Definitive Design:		Yes <u>      </u> No <u>X</u>	
(b) Where Design Was Most Recently Used:		<u>N/A</u>	
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications.....		<u>330</u>	
(b) All Other Design Costs.....		<u>300</u>	
(c) Total.....		<u>630</u>	
(d) Contract.....		<u>545</u>	
(e) In-house.....		<u>85</u>	
(4) Construction start..... <u>12-90</u>			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION NAVAL SUBMARINE SCHOOL, NEW LONDON, CONNECTICUT					4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING			5. AREA CONSTR. COST INDEX 1.17		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 08/30/88	95	772	25	338	1848	0	0	0	0	2783
b. END FY 1984	129	839	29	381	2482	0	0	0	0	3830
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE . . . . . TENANT OF NSB										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 0										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 9,540										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 15,000										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 2,300										
g. REMAINING DEFICIENCY . . . . . 0										
h. GRAND TOTAL . . . . . 26,840										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN START	STATUS COMPLETE		
171.35	OPS TRAINER FAC				91,000 SF	15,000	12/88	06/90		
	TOTAL					15,000				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS:										
171.20	APPLIED INST BLDG				27,120 SF	2,300				
10. MISSION OR MAJOR FUNCTIONS:										
Provide officers and enlisted men with basic submarine knowledge and skills upon which operating submarine commands can build competence and proficiency in operating and maintaining submarines and their weapon systems. Provide functional, refresher, advanced, and team training to bring submarine personnel to a level of increased proficiency in specific skills.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT . . . . . 0										
B: INSTALLATION RESTORATION . . . . . 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): . . . . . 0										

1. COMPONENT <b>NAVY</b>		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL SUBMARINE SCHOOL, NEW LONDON, CONNECTICUT			4. PROJECT TITLE <b>OPERATIONAL TRAINER FACILITY</b>		
5. PROGRAM ELEMENT <b>0804731N</b>	6. CATEGORY CODE <b>171.35</b>	7. PROJECT NUMBER <b>P-398</b>	8. PROJECT COST (\$000) <b>15,000</b>		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
OPERATIONAL TRAINER FACILITY . . . . .	SF	91,000	97.00	8,830	
SUPPORTING FACILITIES. . . . .	-	-	-	4,710	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 1,140)	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 880)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 960)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 1,730)	
SUBTOTAL . . . . .	-	-	-	13,540	
CONTINGENCY (5%) . . . . .	-	-	-	680	
TOTAL CONTRACT COST. . . . .	-	-	-	14,220	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	780	
TOTAL REQUEST. . . . .	-	-	-	15,000	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(369,080)	
<p>10. DESCRIPTION OF PROPOSED CONSTRUCTION  Five-story steel frame building, pile foundation, concrete floors and roof on cellular metal decking, masonry walls, demountable and sliding interior partitions, computer flooring, air conditioning and process cooling, compressed air system, security and fire alarm systems, fire protection system, inert gas system, elevator, grounding and lightning protection systems, utilities.</p> <p>11. REQUIREMENT: <u>291,170 SF.</u> ADEQUATE: <u>200,170 SF.</u> SUBSTANDARD: <u>0 SF.</u>  PROJECT: Provides an operational trainer facility. (New mission.)  REQUIREMENT: The Seawolf SSN-21 class submarine will be coming on line in 1994 with unique systems on-board. Personnel must be trained in the operation and maintenance of these systems to ensure effective utilization before the first submarine is commissioned. The SSN-21 training is a new requirement involving new facilities, increased staff, and students.  CURRENT SITUATION: No existing space is available for this new training mission as all spaces are fully occupied with current training tasks. The SSN-21 training will be concurrent with all existing training.  IMPACT IF NOT PROVIDED: This activity will be unable to provide operations and maintenance training for the new submarine systems. Submarines will deploy without fully trained personnel, jeopardizing fleet readiness potential.</p>					

(Continued on DD 1391c)

1. COMPONENT <b>NAVY</b>	FY 19 <sup>91</sup> <b>MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE																								
3. INSTALLATION AND LOCATION <b>NAVAL SUBMARINE SCHOOL, NEW LONDON, CONNECTICUT</b>																										
4. PROJECT TITLE <b>OPERATIONAL TRAINER FACILITY</b>	5. PROJECT NUMBER <b>P-398</b>																									
<p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <p>(a) Date Design Started..... <u>12-88</u></p> <p>(b) Percent Complete as of January 1990..... <u>45</u></p> <p>(c) Date Design 35% Complete..... <u>7-89</u></p> <p>(d) Date Design Complete..... <u>6-90</u></p> </div> <div style="margin-left: 80px;"> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes <u>    </u> No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> </div> <div style="margin-left: 80px;"> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... (<u>645</u>)</p> <p>(b) All Other Design Costs..... (<u>190</u>)</p> <p>(c) Total..... <u>835</u></p> <p>(d) Contract..... (<u>770</u>)</p> <p>(e) In-house..... (<u>65</u>)</p> </div> <div style="margin-left: 80px;"> <p>(4) Construction start..... <u>12-90</u> (month and year)</p> </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-left: 80px; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 30%;">Equipment Nomenclature</th> <th style="text-align: left; width: 20%;">Procuring Appropriation</th> <th style="text-align: left; width: 20%;">Fiscal Year Appropriated or Requested</th> <th style="text-align: left; width: 30%;">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Basic Operator Trainer</td> <td>OPN &amp; RDT&amp;E</td> <td>1989, 1992</td> <td>4,400</td> </tr> <tr> <td>Two Maintenance Trainers</td> <td>OPN &amp; RDT&amp;E</td> <td>1989-1993, 1997</td> <td>250,500</td> </tr> <tr> <td>Team Trainer</td> <td>OPN</td> <td>1996</td> <td>104,000</td> </tr> <tr> <td>Ten Various Trainers</td> <td>OPN</td> <td>1990-1992</td> <td><u>10,180</u></td> </tr> <tr> <td></td> <td></td> <td style="text-align: right;">TOTAL</td> <td><u>369,080</u></td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	Basic Operator Trainer	OPN & RDT&E	1989, 1992	4,400	Two Maintenance Trainers	OPN & RDT&E	1989-1993, 1997	250,500	Team Trainer	OPN	1996	104,000	Ten Various Trainers	OPN	1990-1992	<u>10,180</u>			TOTAL	<u>369,080</u>
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)																							
Basic Operator Trainer	OPN & RDT&E	1989, 1992	4,400																							
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		TOTAL	<u>369,080</u>																							

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA					4. COMMAND OFFICE OF THE CHIEF OF NAVAL RESEARCH			5. AREA CONSTR. COST INDEX 1.04			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88		38	107	3533	0	0	0	0	0	0	3678
b. END FY 1994		42	107	3847	0	0	0	0	0	0	4096
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 1,106)											
b. INVENTORY TOTAL AS OF 30 SEP 88 136,480											
c. AUTHORIZATION NOT YET IN INVENTORY 50,200											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 9,800											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 12,220											
f. PLANNED IN NEXT THREE PROGRAM YEARS 0											
g. REMAINING DEFICIENCY 29,190											
h. GRAND TOTAL 237,690											
8. PROJECTS REQUESTED IN THIS PROGRAM.											
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE						
310.17	ELECTRO-OPTICS RESRCH LAB	50,000 SF	9,800	11/88	01/90						
	TOTAL		9,800								
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
312.25	SPACECRAFT/SAT LAB	80,000 SF	12,220								
	TOTAL		12,220								
B. MAJOR PLANNED NEXT THREE YEARS: NONE											
10. MISSION OR MAJOR FUNCTIONS:											
This activity is a multi-disciplinary laboratory addressing almost all areas of science and technology of interest to the Navy; exceptions are medicine and weapons. The laboratory has its primary mission in the physical sciences and related fields where it conducts scientific research and development directed towards new and improved materials, equipment, techniques and systems. In addition, this activity is the lead laboratory in electronic warfare because of unique capabilities in this area.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 1,200											
B: INSTALLATION RESTORATION 1,140											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA			4. PROJECT TITLE ELECTRO-OPTICS RESEARCH LABORATORY		
5. PROGRAM ELEMENT 0605896N	6. CATEGORY CODE 310.17	7. PROJECT NUMBER P-115	8. PROJECT COST (\$000) 9,800		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
ELECTRO-OPTICS RESEARCH LABORATORY . . . . .	SF	50,000	-	8,120	
BUILDING ADDITION. . . . .	SF	50,000	133.00	(6,650)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	(1,300)	
TECHNICAL OPERATING MANUALS. . . . .	LS	-	-	( 170)	
SUPPORTING FACILITIES. . . . .	-	-	-	730	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 290)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 220)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 220)	
SUBTOTAL . . . . .	-	-	-	8,850	
CONTINGENCY (5%) . . . . .	-	-	-	440	
TOTAL CONTRACT COST. . . . .	-	-	-	9,290	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	510	
TOTAL REQUEST. . . . .	-	-	-	9,800	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Two-story steel frame and masonry building addition, pile foundation, concrete floors, built-up roof, vibration-isolated flooring, dust and environmental controls, electromagnetic shielding, secret compartmented information facility construction, clean rooms, computer flooring, fire protection system, air conditioning, utilities.					
11. REQUIREMENT: <u>52,430</u> SF. ADEQUATE: <u>2,430</u> SF. SUBSTANDARD: <u>0</u> SF. PROJECT: Provides state-of-the-art optics and electro-optics research facilities. (Current mission.) REQUIREMENT: Basic research and development in fields of optics and electro-optics having potential for direct military applications. Includes fiber optics, laser weaponry, and focal plane arrays for space and aircraft surveillance systems, optical countermeasures, and undersea surveillance. The Naval Research Laboratory must respond in a timely fashion to rapid changes in technology and to the constant evolution of military requirements. Special compartmented vaults, secure laboratories, and shielded rooms are required for the execution of several highly classified projects. CURRENT SITUATION: The pre-1941 facility assets utilized today are designed in a manner to make adaptation to modern research techniques economically impossible. They were designed without the necessary dust, noise, temperature, vibration, and humidity controls required during research.					
(Continued on DD 1391c)					

1. COMPONENT NAVY	2. DATE																										
FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA																											
3. INSTALLATION AND LOCATION NAVAL RESEARCH LABORATORY, WASHINGTON, DISTRICT OF COLUMBIA																											
4. PROJECT TITLE ELECTRO-OPTICS RESEARCH LABORATORY	5. PROJECT NUMBER P-115																										
<p>11. REQUIREMENT: (Continued)  <u>CURRENT SITUATION:</u> (Continued)  Experimentation stoppages are frequent and the inability to perform certain experiments is reaching a critical level, keeping the Optical Science Division from carrying out its mission.  <u>IMPACT IF NOT PROVIDED:</u> Continued operations in inadequate facilities will contribute to lost efforts and jeopardize the quality and timeliness of essential functions in the research and development of optics applications. Several important developmental projects in the areas of undersea surveillance, fiber optics, space surveillance, directed energy weaponry, and optical countermeasures, will not be able to proceed. Potential scientific breakthroughs may not be realized or may be substantially delayed.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table> <tr> <td>(a) Date Design Started.....</td> <td>11-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>5-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>1-90</td> </tr> </table> <p>(2) Basis:</p> <table> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes</td> <td>No</td> <td>X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>580</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>200</td> </tr> <tr> <td>(c) Total.....</td> <td>780</td> </tr> <tr> <td>(d) Contract.....</td> <td>680</td> </tr> <tr> <td>(e) In-house.....</td> <td>100</td> </tr> </table> <p>(4) Construction start..... 1-91 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>		(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A			(a) Production of Plans and Specifications.....	580	(b) All Other Design Costs.....	200	(c) Total.....	780	(d) Contract.....	680	(e) In-house.....	100
(a) Date Design Started.....	11-88																										
(b) Percent Complete as of January 1990.....	100																										
(c) Date Design 35% Complete.....	5-89																										
(d) Date Design Complete.....	1-90																										
(a) Standard or Definitive Design:	Yes	No	X																								
(b) Where Design Was Most Recently Used:	N/A																										
(a) Production of Plans and Specifications.....	580																										
(b) All Other Design Costs.....	200																										
(c) Total.....	780																										
(d) Contract.....	680																										
(e) In-house.....	100																										

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION NAVAL AIR STATION, CECIL FIELD, FLORIDA					4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET			5. AREA CONSTR. COST INDEX .87			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL	
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN		
	a. AS OF 09/30/88	850	8300	1240	55	425	0	3	71	0	10944
b. END FY 1994	900	8450	1240	55	425	0	3	71	0	11144	
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 22,880)											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 194,660											
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 11,730											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 4,010											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 4,400											
g. REMAINING DEFICIENCY . . . . . 109,420											
h. GRAND TOTAL . . . . . 324,270											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE						
171.20	CENTRIFUGE TRAINER	8,700 SF	2,010	-	-						
831.10	SANITARY WETWTR SYS UPGRD	LS	2,000	04/89	05/90						
	TOTAL		4,010								
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM NONE											
B. MAJOR PLANNED NEXT THREE YEARS:											
211.81	JET ENGINE TEST CELL	5,900 SF	4,400								
10. MISSION OR MAJOR FUNCTIONS:											
An Atlantic Fleet Master Jet station tasked with providing operational support for all east coast carrier based anti-submarine warfare aircraft (S-3), and 16 carrier-based light attack squadrons. Cecil Field is the sole east coast support site for F/A-18 squadrons.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 20											
B: INSTALLATION RESTORATION 39,660											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											



1. COMPONENT <b>NAVY</b>		FY 1921 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL AIR STATION, CECIL FIELD, FLORIDA</b>			4. PROJECT TITLE <b>CENTRIFUGE TRAINER</b>			
5. PROGRAM ELEMENT <b>0204696N</b>		6. CATEGORY CODE <b>171.20</b>	7. PROJECT NUMBER <b>P-212</b>		8. PROJECT COST (\$000) <b>2,010</b>	
9. COST ESTIMATES						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
CENTRIFUGE TRAINER . . . . .	SF	8,700	127.00	1,110		
SUPPORTING FACILITIES. . . . .	-	-	-	710		
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 300)		
UTILITIES. . . . .	LS	-	-	( 210)		
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 200)		
SUBTOTAL . . . . .	-	-	-	1,820		
CONTINGENCY (5%) . . . . .	-	-	-	90		
TOTAL CONTRACT COST. . . . .	-	-	-	1,910		
SUPERVISION, INSPECTION AND OVERHEAD (5.5%). . . . .	-	-	-	100		
TOTAL REQUEST. . . . .	-	-	-	2,010		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>High gravity-level centrifuge for human passengers in a cylindrical room with reinforced concrete foundation, pit and tunnel; peripheral rooms for control, observation, briefing and debriefing, medical emergency, equipment maintenance, storage, changing rooms, restrooms; uninterruptible power source (UPS) backup interface, Halon fire suppression, air conditioning with humidity control, fire protection and alarm systems, utilities.</p>						
<p>11. REQUIREMENT: 8,700 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.  <u>PROJECT:</u> Provides a centrifuge trainer for aircrews. (New mission.)  <u>REQUIREMENT:</u> Centrifuge training to prepare aircrews of high performance aircraft for high gravity (G) turns during maneuvers. High performance aircraft such as the F/A-18 are capable of high acceleration which includes high G-force rates and sustains G-levels which exceed aircrew physiological tolerances. Pilots have crashed and died during training flights after passing out during violent, high-speed turns. This blacking-out is referred to as G-LOC, or gravity-induced loss of consciousness. G-LOC occurs just beyond 5-G's. Today's aircraft can subject its pilot to 10-G's almost instantly. Current G-suits can keep a pilot conscious to about 7-G's by applying pressure to the limbs and keeping the blood in the head and upper body. To combat G-LOC, the military is developing new G-suits, helmets, and posture and breathing techniques. To train aircrews in these techniques and to test the new suit and helmets, the Navy is planning</p>						
(Continued on DD 1391c)						

1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, CECIL FIELD, FLORIDA		
4. PROJECT TITLE CENTRIFUGE TRAINER		5. PROJECT NUMBER P-212
<p>11. REQUIREMENT: (Continued)  construction of two centrifuge training facilities at its F/A-18 bases.  Studies have validated the effectiveness of training aircrews on the  centrifuge.</p> <p><u>CURRENT SITUATION:</u> The anti-G straining maneuver is a technique developed  to ward off loss of periferal vision and G-LOC during high G turns. The  anti-G straining maneuver is explained to aircrews in a classroom  setting. However, there is no realistic substitute to actual experience  of the G-LOC sensation and combating it under high G-force conditions. A  centrifuge can provide a very realistic simulation of these forces. The  gondola can be positioned a variety of ways and G-forces can be applied as  might be experienced in an actual aircraft to train aircrews on the anti-G  straining maneuver while under G-load.</p> <p><u>IMPACT IF NOT PROVIDED:</u> No other training method is effective in training  aircrews for high G-rates and high G-levels. The present method of  classroom-only instruction does not adequately prepare the aircrews for  the experience of high-G exposure and the problems its causes.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 20px;">a. Estimated design status: (Project design conforms to Part II of  Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 40px;"> <p>(1) Status:</p> <p>(a) Date Design Started..... *</p> <p>(b) Percent Complete as of January 1990..... *</p> <p>(c) Date Design 35% Complete..... *</p> <p>(d) Date Design Complete..... *</p> </div> <div style="margin-left: 40px;"> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design:      Yes    No    X</p> <p>(b) Where Design Was Most Recently Used:      N/A</p> </div> <div style="margin-left: 40px;"> <p>(3) Total cost (c) = (a) + (b) or (d) + (e):      (\$000)</p> <p>(a) Production of Plans and Specifications..... (    *    )</p> <p>(b) All Other Design Costs..... (    *    )</p> <p>(c) Total..... (    *    )</p> <p>(d) Contract..... (    *    )</p> <p>(e) In-house..... (    *    )</p> </div> <div style="margin-left: 40px;"> <p>(4) Construction start..... 4-91  (month and year)</p> </div> <p style="margin-left: 20px;">b. Equipment associated with this project which will be provided  from other appropriations: None.</p> <p style="margin-left: 20px;">* One-step source selection.</p>		

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION NAVAL AIR STATION, JACKSONVILLE, FLORIDA				4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET		5. AREA CONSTR. COST INDEX .87				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	1055	6130	2500	224	425	0	43	245	0	10622
b. END FY 1994	1015	5936	2500	65	423	0	43	245	0	10227
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 6,450)										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 233,540										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 13,620										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 9,100										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 6,200										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 14,000										
g. REMAINING DEFICIENCY . . . . . 102,040										
h. GRAND TOTAL . . . . . 378,500										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE				
171.35	ANTI-SUB WARFARE TRNG CTR			30,310 SF	2,800	11/88	01/90			
831.10	WASTEWATER SYSTEM IMPROVES			LS	6,300	04/89	05/90			
	TOTAL				9,100					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
131.50	TRANSMITTER BLDG ADDITION			44,100 SF	6,200					
	TOTAL				6,200					
B. MAJOR PLANNED NEXT THREE YEARS:										
171.35	OPS TRAINER			LS	6,000					
171.20	A/C SUPPORT EQUIP TRNG BLD			LS	6,600					
843.10	FIRE PROTECTION			7,200 LF	1,400					
10. MISSION OR MAJOR FUNCTIONS:										
This activity is homeport for seven land-based, anti-submarine warfare (ASW) squadrons (P-3) and all east coast carrier-based ASW helicopter squadrons (SH-3/SH-60F). Provides support to the Naval Aviation Depot and a Naval Hospital.										
Six Land Based ASW Squadrons				Naval Aviation Depot						
Six Helicopter ASW Squadrons				Naval Air Reserve Unit						
Two Fleet Readiness Squadrons				Naval Regional Medical Center						
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT				80						
B: INSTALLATION RESTORATION				10,380						
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):				0						

1. COMPONENT <b>NAVY</b>		FY 1991 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL AIR STATION, JACKSONVILLE, FLORIDA</b>			4. PROJECT TITLE <b>ANTI-SUBMARINE WARFARE TRAINING FACILITY</b>		
5. PROGRAM ELEMENT <b>0204696N</b>	6. CATEGORY CODE <b>171.35</b>	7. PROJECT NUMBER <b>P-174</b>	8. PROJECT COST (\$000) <b>2,800</b>		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
ANTI-SUBMARINE WARFARE TRAINING FACILITY . .	SF	30,310	-	2,290	
APPLIED INSTRUCTION TRAINER. . . . .	SF	30,310	76.00	(2,290)	
SUPPORTING FACILITIES. . . . .	-	-	-	240	
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	( 240)	
SUBTOTAL . . . . .	-	-	-	2,530	
CONTINGENCY (5%) . . . . .	-	-	-	130	
TOTAL CONTRACT COST. . . . .	-	-	-	2,660	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	140	
TOTAL REQUEST. . . . .	-	-	-	2,800	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(16,000)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One one-story precast concrete frame building, spread footing foundations, concrete floor, tilt-up precast concrete panel walls, single membrane roofing on precast roof system, fire protection system, air conditioning, utilities; security system.					
11. REQUIREMENT: <u>30,310</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>0</u> SF. PROJECT: Provides classroom and training facilities to familiarize, indoctrinate, train and refresh personnel in the operational and tactical employment of equipment and flight systems of the P-3 Anti-submarine Warfare (ASW) aircraft. (Current mission.) REQUIREMENT: Adequate and properly-configured facilities to accommodate the Fleet Aviation Specialized Operational Training Group (FASO) and the Naval Air Maintenance Training Group Detachment (NAMTGD). The new facility will house \$16 million of trainers to be delivered in 1992. Jacksonville is the homeport for six deployable P-3 ASW squadrons, one Naval Reserve Force P-3 squadron, and the only east coast P-3 Fleet Readiness (training) Squadron. The P-3C joined the Navy's ASW forces starting in 1969 and has been updated several times to improve its ability to process more data faster. The Navy is planning a major systems improvement program for the P-3 and has designated it P-3C Update IV. This project is specifically designed to train personnel in maintenance of the aircraft's tactical employment of weapons systems. The P-3C Update IV will utilize the same					
(Continued on DD 1391c)					

1. COMPONENT <b>NAVY</b>	2. DATE <b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>																							
3. INSTALLATION AND LOCATION <b>NAVAL AIR STATION, JACKSONVILLE, FLORIDA</b>																								
4. PROJECT TITLE <b>ANTI-SUBMARINE WARFARE TRAINING FACILITY</b>	5. PROJECT NUMBER <b>P-174</b>																							
<p>11. REQUIREMENT: (Continued)  airframe, but will be updated with advanced sensors, on-board computers and new avionics to enable it to keep pace with the advances being made in submarine technologies such as quieting. Updated systems will improve the P-3's ability to detect and track new generation submarines; to communicate with the Fleet battle group commander and the improved ASW operations centers being constructed; and to process sensor, communication, and navigation data received from many sources. Aircrews must be trained to maintain these new systems to fully utilize their ASW potential.</p> <p><u>CURRENT SITUATION:</u> Jacksonville has been tasked to provide P-3C Update IV training. Currently all P-3 training spaces are fully utilized for older model P-3C training. P-3C Update IV training will require new trainers. The older P-3C trainers will be required as long as older P-3C's are assigned to the squadrons. Complete transition is not expected until the mid-1990's.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Existing facilities are physically incapable of housing the new trainer equipment and the associated support spaces for the additional assigned training workload. FASO's mission will be severely hindered for training aircrews. NAMTGD will not be able to perform maintenance training to keep critical avionics components operational. NAMTGD is the only east coast facility to provide support for the P-3C Update IV training mission.</p>																								
<p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p style="margin-left: 40px;">(1) Status:</p> <table style="margin-left: 80px; border-collapse: collapse;"> <tr><td>(a) Date Design Started.....</td><td style="text-align: right;">11-88</td></tr> <tr><td>(b) Percent Complete as of January 1990.....</td><td style="text-align: right;">100</td></tr> <tr><td>(c) Date Design 35% Complete.....</td><td style="text-align: right;">5-89</td></tr> <tr><td>(d) Date Design Complete.....</td><td style="text-align: right;">1-90</td></tr> </table> <p style="margin-left: 40px;">(2) Basis:</p> <table style="margin-left: 80px; border-collapse: collapse;"> <tr><td>(a) Standard or Definitive Design:</td><td style="text-align: right;">Yes _____ No <u>X</u></td></tr> <tr><td>(b) Where Design Was Most Recently Used:</td><td style="text-align: right;">N/A</td></tr> </table> <p style="margin-left: 40px;">(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table style="margin-left: 80px; border-collapse: collapse;"> <tr><td>(a) Production of Plans and Specifications.....</td><td style="text-align: right;">( 170 )</td></tr> <tr><td>(b) All Other Design Costs.....</td><td style="text-align: right;">( 80 )</td></tr> <tr><td>(c) Total.....</td><td style="text-align: right;">250</td></tr> <tr><td>(d) Contract.....</td><td style="text-align: right;">( 210 )</td></tr> <tr><td>(e) In-house.....</td><td style="text-align: right;">( 40 )</td></tr> </table> <p style="text-align: right; margin-right: 40px;">(Continued on DD 1391c)</p>			(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	( 170 )	(b) All Other Design Costs.....	( 80 )	(c) Total.....	250	(d) Contract.....	( 210 )	(e) In-house.....	( 40 )
(a) Date Design Started.....	11-88																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	5-89																							
(d) Date Design Complete.....	1-90																							
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	N/A																							
(a) Production of Plans and Specifications.....	( 170 )																							
(b) All Other Design Costs.....	( 80 )																							
(c) Total.....	250																							
(d) Contract.....	( 210 )																							
(e) In-house.....	( 40 )																							

1. COMPONENT		2. DATE	
NAVY		FY 19. <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AIR STATION, JACKSONVILLE, FLORIDA			
4. PROJECT TITLE		5. PROJECT NUMBER	
ANTI-SUBMARINE WARFARE TRAINING FACILITY		P-174	
12. SUPPLEMENTAL DATA: (Continued)			
(4) Construction start..... <u>12-90</u> (month and year)			
b. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>
P-3C Update IV Maintenance trainer and associated equipment	APN	1989 - 1993	16,000

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL AIR STATION, JACKSONVILLE, FLORIDA</b>				4. PROJECT TITLE <b>WASTEWATER SYSTEM IMPROVEMENTS</b>		
5. PROGRAM ELEMENT <b>0204696N</b>		6. CATEGORY CODE <b>831.10</b>	7. PROJECT NUMBER <b>P-188</b>		8. PROJECT COST (\$000) <b>6,300</b>	
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
WASTEWATER SYSTEM IMPROVEMENTS . . . . .		LS	-	-	5,690	
SUBTOTAL . . . . .		-	-	-	5,690	
CONTINGENCY (5%) . . . . .		-	-	-	280	
TOTAL CONTRACT COST. . . . .		-	-	-	5,970	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .		-	-	-	330	
TOTAL REQUEST. . . . .		-	-	-	6,300	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0 )	
10. DESCRIPTION OF PROPOSED CONSTRUCTION Two electro-chemical heavy metal removal system units, one reactor clarifier, one aerobic digester, sludge drying beds, in-plant piping.						
11. REQUIREMENT: <u>As Required.</u> PROJECT: Provides major upgrades of the domestic and industrial waste treatment plant. (Current mission.) REQUIREMENT: Adequate and proper facilities to meet the effluent limitations of the National Pollutant Discharge Elimination System (NPDES) Permit. CURRENT SITUATION: Existing treatment facility does not meet effluent limits required by the permit. IMPACT IF NOT PROVIDED: Permit violation. Enforcement action such as fines and shut-down of the wastewater treatment plant. Shut-down of plant would directly impact station missions.						
12. SUPPLEMENTAL DATA: a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")  <div style="margin-left: 40px;"> (1) Status:  (a) Date Design Started..... <u>4-89</u>  (b) Percent Complete as of January 1990..... <u>35</u>  (c) Date Design 35% Complete..... <u>11-89</u>  (d) Date Design Complete..... <u>5-90</u>  (Continued on DD 1391c) </div>						

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AIR STATION, JACKSONVILLE, FLORIDA			
4. PROJECT TITLE		5. PROJECT NUMBER	
WASTEWATER SYSTEM IMPROVEMENTS		P-188	
12. SUPPLEMENTAL DATA: (Continued)			
(2) Basis:			
(a) Standard or Definitive Design:		Yes <u>      </u> No <u>  X  </u>	
(b) Where Design Was Most Recently Used:		<u>      </u> N/A	
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications.....		<u>      </u> 300	
(b) All Other Design Costs.....		<u>      </u> 70	
(c) Total.....		<u>      </u> 370	
(d) Contract.....		<u>      </u> 325	
(e) In-house.....		<u>      </u> 45	
(4) Construction start..... <u>      </u> 12-90			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			



1. COMPONENT  NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE					
3. INSTALLATION AND LOCATION  NAVAL HOSPITAL, JACKSONVILLE, FLORIDA					4. COMMAND  NAVAL MEDICAL COMMAND					5. AREA CONSTR. COST INDEX  .87	
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1984	PERMANENT			STUDENTS			SUPPORTED			TOTAL	
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN		
	330	734	250	0	0	0	0	0	0		1314
	374	720	250	0	0	0	0	0	0	1344	

**7. INVENTORY DATA (\$000)**

a. TOTAL ACREAGE	TENANT OF NAS	
b. INVENTORY TOTAL AS OF 30 SEP 88		13,770
c. AUTHORIZATION NOT YET IN INVENTORY		18,600
d. AUTHORIZATION REQUESTED IN THIS PROGRAM		940
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0
f. PLANNED IN NEXT THREE PROGRAM YEARS		0
g. REMAINING DEFICIENCY		400
h. GRAND TOTAL		33,710

**8. PROJECTS REQUESTED IN THIS PROGRAM:**

CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE
441.20	MEDICAL WAREHOUSE ADDITION	LS	940	06/89	06/90
	TOTAL		940		

**9. FUTURE PROJECTS:**

A. INCLUDED IN FOLLOWING PROGRAM  
NONE

B. MAJOR PLANNED NEXT THREE YEARS:  
NONE

**10. MISSION OR MAJOR FUNCTIONS:**

Provides inpatient and outpatient health care for active duty Navy and Marine Corps personnel, Federal Uniformed Services personnel, and other authorized beneficiaries. Naval Hospital Jacksonville serves northeast Florida and southeast Georgia.

**11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)**

A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION NAVAL AIR STATION, KEY WEST, FLORIDA			4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET			5. AREA CONSTR. COST INDEX 1.05				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 08/30/88	240	2020	480	10	36	0	1	58	0	2825
b. END FY 1994	240	2060	480	8	25	0	1	58	0	2829
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 19,201)										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 112,460										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 11,220										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 7,000										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0										
g. REMAINING DEFICIENCY . . . . . 14,400										
h. GRAND TOTAL . . . . . 145,080										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE				
141.41	JNT AIR RECON CTL CTR ADDN			LS	4,000	04/89	05/90			
159.64	EOD MOBILE UNIT PAC			28,560 SF	2,000	10/88	08/89			
	TOTAL				7,000					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS: NONE										
10. MISSION OR MAJOR FUNCTIONS:										
Maintains and operates an air station to support training of flight crew using tactical aircraft exercising in the Caribbean Sea and in the Gulf. Provides waterfront support for a patrol ship (PHM) squadron and berthing facilities for up to five surface combatants operating in the area on forward deployment. Major units supported include: Two aircraft squadrons (30 aircraft) Air Force Air Defense Units Coast Guard Units (five cutters & three SES) US Forces Caribbean One PHM Squadron (six ships) Medical Clinic Naval Intelligence & Security Detachments										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 14,700										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT <b>NAVY</b>		FY 19 21 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL AIR STATION, KEY WEST, FLORIDA</b>			4. PROJECT TITLE <b>EXPLOSIVE ORDNANCE DISPOSAL MOBILE UNIT FACILITY</b>		
5. PROGRAM ELEMENT <b>0204696N</b>	6. CATEGORY CODE <b>159.64</b>	7. PROJECT NUMBER <b>P-620</b>	8. PROJECT COST (\$000) <b>3,000</b>		
<b>ESTIMATES</b>					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
EXPLOSIVE ORDNANCE DISPOSAL MOBILE UNIT FAC.	SF	28,560	80.00	2,300	
SUPPORTING FACILITIES. . . . .	-	-	-	400	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 60)	
UTILITIES. . . . .	LS	-	-	( 50)	
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	( 290)	
SUBTOTAL . . . . .	-	-	-	2,700	
CONTINGENCY (5%) . . . . .	-	-	-	140	
TOTAL CONTRACT COST. . . . .	-	-	-	2,840	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	160	
TOTAL REQUEST. . . . .	-	-	-	3,000	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b> <p>Two-story steel frame stuccoed concrete masonry-unit building, grade beam and pile foundation, concrete floors, built-up roof on steel bar-joist system, security fencing and lighting; fire protection system, air conditioning, utilities; demolition of two buildings.</p>					
<b>11. REQUIREMENT: 28,560 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.</b> <p><b>PROJECT:</b> Provides a waterfront operations, maintenance, and administration building to support an Explosive Ordnance Disposal (EOD) Mobile Unit. (New mission.)</p> <p><b>REQUIREMENT:</b> Adequate and properly-configured secure facilities to accommodate EOD Mobile Unit Four, an entirely new Navy organization scheduled to be established in the Key West area at the old Truman Annex. Initially, this unit will have a staff of 63 officers and enlisted personnel, with plans to increase to a full staff of 161 by 1990. This project will accommodate the full staff, operational craft, marine systems, and administrative needs of the mobile unit. The primary mission of EOD units is to provide shore activities and forces afloat with highly skilled personnel trained in the delicate art of explosives disarmament and disposal. The function of the units is to deal with any type of explosive ordnance that could be encountered in action against an enemy, as well as Navy ordnance that is mishandled or defective. The mobile unit will be a specialized group to assist Naval activities in the southern U.S. and in the Caribbean area.</p> <p style="text-align: right;">(Continued on DD 1391c)</p>					

1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE																						
3. INSTALLATION AND LOCATION <b>NAVAL AIR STATION, KEY WEST, FLORIDA</b>																								
4. PROJECT TITLE <b>EXPLOSIVE ORDNANCE DISPOSAL MOBILE UNIT FACILITY</b>	5. PROJECT NUMBER <b>P-620</b>																							
<p><b>11. REQUIREMENT: (Continued)</b>          This unit will also participate in mine warfare exercises, provide underwater explosive ordnance reconnaissance training for civil authorities, assist the U.S. Secret Service, and participate in research and development projects including support of the Naval Ocean Systems Center Marine Mammal Research effort. Establishment of this second east coast mobile unit will parallel the highly successful west coast program at San Diego. Facilities for Mobile Unit Two at NAB Little Creek, Virginia were successfully programmed in FY 1985. Other Mobile Units will be established in the future as the program to replace the small detachments with regional, more capable Mobile Units proceeds.</p> <p><b>CURRENT SITUATION:</b> The small four-man EOD detachment formerly serving this activity has been replaced by the much larger mobile unit. Interim facilities are being prepared and used at the Truman Annex for the new unit. These temporary facilities will provide half the space required for the mobile unit. A minimal amount of funds will be expended on these facilities to make them capable of accommodating the unit until this project is completed.</p> <p><b>IMPACT IF NOT PROVIDED:</b> The new mobile unit will not have adequately sized and configured facilities to accommodate the full staff of 161 people and all its equipment, small craft, and administrative items. Establishment of marine mammal systems and mine countermeasures capability at this strategic location will be hindered.</p>																								
<p><b>12. SUPPLEMENTAL DATA:</b></p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">10-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">3-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">9-89</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 185 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 125 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">310</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 270 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 40 )</td> </tr> </table> <p>(4) Construction start..... <span style="float: right;">12-90</span> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Date Design Started.....	10-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	3-89	(d) Date Design Complete.....	9-89	(a) Standard or Definitive Design:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> X	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	( 185 )	(b) All Other Design Costs.....	( 125 )	(c) Total.....	310	(d) Contract.....	( 270 )	(e) In-house.....	( 40 )
(a) Date Design Started.....	10-88																							
(b) Percent Complete as of January 1990.....	100																							
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(a) Standard or Definitive Design:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> X																							
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(a) Production of Plans and Specifications.....	( 185 )																							
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(c) Total.....	310																							
(d) Contract.....	( 270 )																							
(e) In-house.....	( 40 )																							

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AIR STATION, KEY WEST, FLORIDA			4. PROJECT TITLE JOINT AIR RECONNAISSANCE CONTROL CENTER ADDITION		
5. PROGRAM ELEMENT 0204696N	6. CATEGORY CODE 141.41	7. PROJECT NUMBER P-636	8. PROJECT COST (\$000) 4,000		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
JOINT AIR RECONNAISSANCE CONTROL CENTER ADDN	LS	-	-	3,610	
SUBTOTAL . . . . .	-	-	-	3,610	
CONTINGENCY (5%) . . . . .	-	-	-	180	
TOTAL CONTRACT COST. . . . .	-	-	-	3,790	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	210	
TOTAL REQUEST. . . . .	-	-	-	4,000	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Steel-frame building addition to match existing, concrete foundation and floor, masonry walls, built-up roof, computer flooring, fire protection system, air conditioning, utilities.					
11. REQUIREMENT: <u>As Required.</u>					
PROJECT: Provides an addition to the Joint Air Reconnaissance Control Center Key West to allow expansion of mission and additional space for air surveillance and control equipment. Provides facilities in support of remote surveillance radar and communication equipment to be installed at the Naval Station, Guantanamo Bay, Cuba. (Current mission.)					
REQUIREMENT: Improve air surveillance coverage and air traffic control in the Gulf of Mexico and the Caribbean Sea. The Joint Air Reconnaissance Control Center is located at the Naval Air Station, Key West. It is a joint military-civilian operation with FAA providing air traffic control services to civilian air traffic in the region. The military functions are performed by Navy and Air Force personnel and report directly to the Unified Commander, Commander in Chief, Atlantic. The military mission includes monitoring all traffic, both military and civilian, in the ocean areas south of Florida. This includes monitoring Cuban and Soviet air traffic. It provides air traffic control to military aircraft training in the surrounding off-shore ranges. New missions include the monitoring of potential drug-traffic entering U.S. airspace from Latin America. An addition to the control center is required to accommodate this new					
(Continued on DD 1391c)					

1. COMPONENT <b>NAVY</b>	2. DATE <b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>																									
3. INSTALLATION AND LOCATION <b>NAVAL AIR STATION, KEY WEST, FLORIDA</b>																										
4. PROJECT TITLE <b>JOINT AIR RECONNAISSANCE CONTROL CENTER ADDITION</b>		5. PROJECT NUMBER <b>P-636</b>																								
<p>11. <b>REQUIREMENT:</b> (Continued)  workload. Additional remote radar and communications facilities are required at Guantanamo Bay to expand the coverage of regions south of Cuba and into the Caribbean Sea. Utility work and building renovations will also be required.</p> <p><b>CURRENT SITUATION:</b> There is no space in the control center to accommodate additional workload generated by the new military responsibilities assigned to the center in the war against drugs. Surveillance of small aircraft carrying drugs cannot be adequately performed without improving the equipment and the addition of remote and more powerful radar systems. There is no practical data link of air surveillance information from Naval Air Station, Guantanamo Bay to the Joint Air Reconnaissance Control Center located in Key West.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Surveillance cover will not be expanded. There will be no spaces for expanded functions and new equipment. The military's contribution to the drug war in the region will not reach its full potential.</p> <p>12. <b>SUPPLEMENTAL DATA:</b></p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) <b>Status:</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(a) Date Design Started.....</td> <td style="text-align: right;">4-89</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">45</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">9-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">5-90</td> </tr> </table> <p>(2) <b>Basis:</b></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 60%;">(a) Standard or Definitive Design:</td> <td style="width: 20%;">Yes</td> <td style="width: 20%;">No <input checked="" type="checkbox"/></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="2" style="text-align: center;">N/A</td> </tr> </table> <p>(3) <b>Total cost (c) = (a) + (b) or (d) + (e):</b> (\$000)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">210</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">110</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">320</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">300</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">20</td> </tr> </table> <p>(4) <b>Construction start.....</b> 4-91  <div style="text-align: right;">(month and year)</div></p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>			(a) Date Design Started.....	4-89	(b) Percent Complete as of January 1990.....	45	(c) Date Design 35% Complete.....	9-89	(d) Date Design Complete.....	5-90	(a) Standard or Definitive Design:	Yes	No <input checked="" type="checkbox"/>	(b) Where Design Was Most Recently Used:	N/A		(a) Production of Plans and Specifications.....	210	(b) All Other Design Costs.....	110	(c) Total.....	320	(d) Contract.....	300	(e) In-house.....	20
(a) Date Design Started.....	4-89																									
(b) Percent Complete as of January 1990.....	45																									
(c) Date Design 35% Complete.....	9-89																									
(d) Date Design Complete.....	5-90																									
(a) Standard or Definitive Design:	Yes	No <input checked="" type="checkbox"/>																								
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(b) All Other Design Costs.....	110																									
(c) Total.....	320																									
(d) Contract.....	300																									
(e) In-house.....	20																									

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION  FLEET TRAINING CENTER, MAYPORT, FLORIDA					4. COMMAND  CHIEF OF NAVAL EDUCATION AND TRAINING			5. AREA CONSTR. COST INDEX  .87		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	17	100	2	4	49	0	0	0	0	172
b. END FY 1994	18	102	2	8	70	0	0	0	0	200
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE . . . . . TENANT OF NS										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 0										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 0										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 5,300										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0										
g. REMAINING DEFICIENCY . . . . . 0										
h. GRAND TOTAL . . . . . 5,300										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE			
179.45	FIRE FIGHTING TRNG FAC				LS	5,300	11/88    01/90			
	TOTAL					5,300				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS: NONE										
10. MISSION OR MAJOR FUNCTIONS:										
Provide facilities for anti-submarine attack, communications, and electronic equipment, ship handling, navigation, and seamanship training for the operating forces of the Navy.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT . . . . . 0										
B: INSTALLATION RESTORATION . . . . . 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): . . . . . 0										

1. COMPONENT <b>NAVY</b>		FY 1991 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>FLEET TRAINING CENTER, MAYPORT, FLORIDA</b>				4. PROJECT TITLE <b>FIRE FIGHTING TRAINING FACILITY</b>		
5. PROGRAM ELEMENT <b>0805796N</b>		6. CATEGORY CODE <b>179.45</b>		7. PROJECT NUMBER <b>P-168</b>		8. PROJECT COST (\$000) <b>5,300</b>
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
FIRE FIGHTING TRAINING FACILITY. . . . .		LS	-	-	4,250	
TRAINER STRUCTURE. . . . .		LS	-	-	(3,000)	
APPLIED INSTRUCTION BUILDING. . . . .		SF	11,680	88.00	(1,030)	
BUILT-IN EQUIPMENT. . . . .		LS	-	-	( 50)	
TECHNICAL OPERATING MANUALS. . . . .		LS	-	-	( 170)	
SUPPORTING FACILITIES. . . . .		-	-	-	530	
ELECTRICAL UTILITIES. . . . .		LS	-	-	( 70)	
MECHANICAL UTILITIES. . . . .		LS	-	-	( 300)	
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 160)	
SUBTOTAL. . . . .		-	-	-	4,780	
CONTINGENCY (5%). . . . .		-	-	-	240	
TOTAL CONTRACT COST. . . . .		-	-	-	5,020	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .		-	-	-	280	
TOTAL REQUEST. . . . .		-	-	-	5,300	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	- (NON-ADD)		(4,660)	
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>  Reinforced concrete trainer structure and control building; two-story reinforced concrete frame instruction building, concrete foundation and floors, built-up roof; metal grating over crawl space; fire protection system, air conditioning, utilities; pollution abatement, fuel, water and wastewater treatment storage tanks; burning devices.						
<b>11. REQUIREMENT: As Required.</b> <b>PROJECT:</b> Provides a fire fighting training facility. (Current mission.) <b>REQUIREMENT:</b> Adequate facilities to train crash and rescue crews as a team in extinguishing simulated aircraft and crash fires utilizing all tools and equipment available on an aircraft carrier flight deck. <b>CURRENT SITUATION:</b> Current oil-fired trainers require an extensive amount of time and materials for clean-up and restart between training sessions and are not conducive to team damage control training. The current trainer does not adequately simulate all potential aviation type fires. <b>IMPACT IF NOT PROVIDED:</b> Shipboard personnel will not receive proper classroom and field exposure to actual fire situations and associated extinguishing agents to meet fleet training needs, and fleet readiness will continue at its current low level.						
(Continued on DD 1391c)						



1. COMPONENT <b>NAVY</b>	2. DATE <b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>																															
3. INSTALLATION AND LOCATION <b>FLEET TRAINING CENTER, MAYPORT, FLORIDA</b>																																
4. PROJECT TITLE <b>FIRE FIGHTING TRAINING FACILITY</b>		5. PROJECT NUMBER <b>P-168</b>																														
<p><b>12. SUPPLEMENTAL DATA:</b></p> <p><b>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</b></p> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;"><u>11-88</u></td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;"><u>100</u></td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;"><u>5-89</u></td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;"><u>1-90</u></td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;"><u>N/A</u></td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">(<u>170</u>)</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">(<u>80</u>)</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;"><u>250</u></td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">(<u>220</u>)</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">(<u>30</u>)</td> </tr> </table> <p>(4) Construction start..... <u>12-90</u> (month and year)</p> <p><b>b. Equipment associated with this project which will be provided from other appropriations:</b></p> <table style="width: 100%; margin-top: 20px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment Nomenclature</u></th> <th style="text-align: left;"><u>Procuring Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year Appropriated or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Fire Fighting Trainer</td> <td>OPN-BA 7</td> <td>1993</td> <td>4,660</td> </tr> </tbody> </table>			(a) Date Design Started.....	<u>11-88</u>	(b) Percent Complete as of January 1990.....	<u>100</u>	(c) Date Design 35% Complete.....	<u>5-89</u>	(d) Date Design Complete.....	<u>1-90</u>	(a) Standard or Definitive Design:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( <u>170</u> )	(b) All Other Design Costs.....	( <u>80</u> )	(c) Total.....	<u>250</u>	(d) Contract.....	( <u>220</u> )	(e) In-house.....	( <u>30</u> )	<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>	Fire Fighting Trainer	OPN-BA 7	1993	4,660
(a) Date Design Started.....	<u>11-88</u>																															
(b) Percent Complete as of January 1990.....	<u>100</u>																															
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(b) Where Design Was Most Recently Used:	<u>N/A</u>																															
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Fire Fighting Trainer	OPN-BA 7	1993	4,660																													

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION NAVAL STATION, MAYPORT, FLORIDA					4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET			5. AREA CONSTR. COST INDEX .87		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	1170	15644	1010	42	220	0	79	328	0	18493
b. END FY 1994	1060	15592	1050	43	270	0	79	328	0	18424
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 3,409)										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 153,290										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 5,420										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 3,600										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 13,770										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 21,800										
g. REMAINING DEFICIENCY . . . . . 33,050										
h. GRAND TOTAL . . . . . 230,930										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
841.30	WATER STORAGE TANKS				1,500,000 GA	3,600	11/88 01/90			
	TOTAL					3,600				
9. FUTURE PROJECTS:										
a. INCLUDED IN FOLLOWING PROGRAM										
740.74	CHILD CARE CENTER				16,020 SF	2,150				
831.41	HAZARDOUS WASTE FACILITY				LS	1,150				
841.10	WATER TREATMENT FACILITY				8,000 KG	8,600				
841.10	FEED WATER VEMIN				LS	970				
841.10	ANTI SILT FACILITY				LS	900				
	TOTAL					13,770				
10. MISSION OR MAJOR FUNCTIONS:										
Mayport will be homeport for a total of five LAMPS MK III Helicopter Squadrons (SH 60-B Helicopter) and is homeport for one LAMPS MK I Helicopter Squadrons. Deliveries of the SH-60 Helicopter began in 1985. Major units homeported at Mayport include two aircraft carriers; 28 cruisers, destroyers and frigates; one destroyer tender; three reserve ships; SIMA; and a fleet training center.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 90										
B: INSTALLATION RESTORATION 13,450										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL STATION, MAYPORT, FLORIDA</b>				4. PROJECT TITLE <b>WATER STORAGE TANKS</b>		
5. PROGRAM ELEMENT <b>020A796N</b>		6. CATEGORY CODE <b>841 30</b>	7. PROJECT NUMBER <b>P-830</b>		8. PROJECT COST (\$000) <b>3,600</b>	
<b>9. COST ESTIMATES</b>						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
WATER STORAGE TANKS. . . . .	GA	1,500K	-	2,330		
ELEVATED WATER STORAGE TANKS . . . . .	GA	1,000K	1.50	(1,500)		
GROUND LEVEL WATER STORAGE TANKS . . . . .	GA	500K	1.30	( 650)		
PIPES, PUMPING, CONTROL EQUIPMENT. . . . .	LS	-	-	( 180)		
SUPPORTING FACILITIES. . . . .	-	-	-	920		
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 390)		
UTILITIES. . . . .	LS	-	-	( 480)		
PAVING AND SITE IMPROVEMENT, DEMOLITION. . . . .	LS	-	-	( 50)		
SUBTOTAL . . . . .	-	-	-	3,250		
CONTINGENCY (5%) . . . . .	-	-	-	160		
TOTAL CONTRACT COST. . . . .	-	-	-	3,410		
SUPERVISION, INSPECTION AND OVERHEAD (5.5%). . . . .	-	-	-	190		
TOTAL REQUEST. . . . .	-	-	-	3,600		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>						
<p>Potable water storage tanks, pile foundations, distribution system reinforcement and improvements, pumping facilities; hardening; utilities; demolition of one building.</p>						
<b>11. REQUIREMENT: 2.25 MG. ADEQUATE: 0.75 MG. SUBSTANDARD: 0 MG.</b>						
<p><b>PROJECT:</b> Provides two 500,000-gallon elevated and one 500,000-gallon ground-level potable water storage tanks, including pipeline distribution and pumping system, and instrumentation. (Current mission.)</p> <p><b>REQUIREMENT:</b> Additional potable water storage capacity to meet present operating water pressure demands and to satisfy the fire fighting water requirements of the station. Mayport has experienced significant growth over the past decade. A large, medium-industrial Shore Intermediate Maintenance Activity (SIMA) is now in operation. A new berthing wharf for FFG-7 class frigates is complete. The existing berthing wharfs have been upgraded. A completely new helicopter support complex is nearing completion. Numerous personnel support facilities have been built or are under construction. Five helicopter squadrons and several new ships are now homeported. All these functions, facilities, and users require fresh water for industrial and domestic use and for fire protection.</p> <p><b>CURRENT SITUATION:</b> Water is supplied to water storage tanks from wells located on the base. Water is treated prior to being stored and distributed. The existing potable water storage capacity consists of 750,000 gallons with 500,000 in one ground storage tank and 250,000</p> <p style="text-align: right;">(Continued on DD 1391c)</p>						

1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
3. INSTALLATION AND LOCATION <b>NAVAL STATION, MAYPORT, FLORIDA</b>		
4. PROJECT TITLE <b>WATER STORAGE TANKS</b>	5. PROJECT NUMBER <b>P-830</b>	
<p>11. REQUIREMENT: (Continued)  <b>CURRENT SITUATION:</b> (Continued)  gallons in an elevated storage tank. The near-term water storage capacity requirement is 2,250,000 gallons to meet daily industrial and domestic demands, and to have enough water in reserve for fire fighting. Additional water storage capacity, wells and water treatment facilities will be required in the future as more facilities are programmed and constructed. The current capacity does not satisfy even the fire fighting reserve of one million gallons. The water distribution system to the industrial areas is insufficiently sized to deliver the required 3-4,000 gallons per minute needed for fire fighting. Two elevated tanks will provide the necessary water pressure whereas the ground tank, while not having as great a water pressure head, is a less expensive tank. This will provide the correct mix of each configuration.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Sufficient water capacity on the base will not be available should a major fire occur. All existing capacity would be consumed leaving the base without enough industrial and domestic water for about 24 hours.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> (1) Status:  (a) Date Design Started..... <u>11-88</u>  (b) Percent Complete as of January 1990..... <u>100</u>  (c) Date Design 35% Complete..... <u>5-89</u>  (d) Date Design Complete..... <u>1-90</u> </div> <div style="margin-left: 80px;"> (2) Basis:  (a) Standard or Definitive Design: Yes _____ No <u>X</u>  (b) Where Design Was Most Recently Used: <u>N/A</u> </div> <div style="margin-left: 80px;"> (3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span>  (a) Production of Plans and Specifications..... <u>( 95 )</u>  (b) All Other Design Costs..... <u>( 65 )</u>  (c) Total..... <u>160</u>  (d) Contract..... <u>( 130 )</u>  (e) In-house..... <u>( 30 )</u> </div> <div style="margin-left: 80px;"> (4) Construction start..... <u>12-90</u>  <span style="float: right;">(month and year)</span> </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT <b>NAVY</b>		FY 1991 <b>MILITARY CONSTRUCTION PROGRAM</b>					2. DATE				
3. INSTALLATION AND LOCATION <b>NAVAL TRAINING CENTER, ORLANDO, FLORIDA</b>					4. COMMAND <b>CHIEF OF NAVAL EDUCATION AND TRAINING</b>			5. AREA CONSTR- COST INDEX <b>.84</b>			
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1994		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
		332	2116	3228	393	13314	0	0	212	0	
		319	2097	3383	437	16794	0	0	215	0	23239
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 2,098 )											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 181,340											
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 36,240											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 19,350											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 5,300											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 17,330											
g. REMAINING DEFICIENCY . . . . . 36,670											
h. GRAND TOTAL . . . . . 296,230											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE			SCOPE		COST (\$000)		DESIGN STATUS START COMPLETE		
431.10		COLD STORAGE WAREHOUSE			10,560 SF		1,400		-		
721.14		BARRACKS			116,630 SF		10,910		04/86 08/87		
722.10		MESS HALL			52,000 SF		7,040		11/88 01/90		
		TOTAL					19,350				
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
740.74		CHILD CARE CENTER			7,250 SF		5,300				
		TOTAL					5,300				
B. MAJOR PLANNED NEXT THREE YEARS:											
721.14		BARRACKS			720 PN		11,240				
844.30		FIRE PROTECTION SYS			178,130 SF		580				
441.10		WAREHOUSE			121,600 SF		5,510				
10. MISSION OR MAJOR FUNCTIONS:											
Provide basic indoctrination (recruit training) for enlisted personnel; primary, advanced, and specialized training for officer and enlisted personnel.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 60											
B: INSTALLATION RESTORATION 3,000											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, ORLANDO, FLORIDA			4. PROJECT TITLE BARRACKS		
5. PROGRAM ELEMENT 0805796N	6. CATEGORY CODE 721.14	7. PROJECT NUMBER P-200	8. PROJECT COST (\$000) 10,910		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
BARRACKS . . . . .	SF	116,630	66.00	7,700	
SUPPORTING FACILITIES. . . . .	-	-	-	2,150	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 210)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 130)	
PAVING AND SITE IMPROVMENT, DEMOLITION . .	LS	-	-	( 1,810)	
SUBTOTAL . . . . .	-	-	-	9,850	
CONTINGENCY (5%) . . . . .	-	-	-	490	
TOTAL CONTRACT COST. . . . .	-	-	-	10,340	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	570	
TOTAL REQUEST. . . . .	-	-	-	10,910	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Seven-story steel frame building, concrete foundation and floors, masonry walls with brick facing, built-up roof over concrete on steel deck, elevators, automatic sprinkler fire protection system, air conditioning, utilities; semi-open-bay living compartments concept; demolition of one building.</p> <p>Grade mix: 720 E1-E4. Total: 720.</p>					
<p>11. REQUIREMENT: <u>8,224</u> PN. ADEQUATE: <u>6,396</u> PN. SUBSTANDARD: <u>0</u> PN.</p> <p>PROJECT: Provides adequate billeting for 720 enlisted students assigned to Navy basic "A" schools. (Current mission.)</p> <p>REQUIREMENT: Adequate housing for 8,224 "A" school students either undergoing basic skills training after completion of recruit training or are upgrading fleet skill training requirements.</p> <p>CURRENT SITUATION: Adequate berthing capacity of 6,396 spaces exist on base, including the 720 spaces funded in FY 1987, and the 1,440 spaces funded in FY 1989. A new construction deficiency of 1,828 adequate billeting spaces exist for "A" school students. Upon completion of this project, the remaining projected space deficit will be satisfied by follow-on projects currently proposed for FY 1992 and FY 1993. All projected space requirements are revalidated annually by a new survey, which updates planning projections. Some students are currently housed in overcrowded, inadequate, 40 year-old facilities which cannot be economically modernized.</p> <p style="text-align: right;">(Continued on DD 1391c)</p>					

1. COMPONENT  NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																						
3. INSTALLATION AND LOCATION  NAVAL TRAINING CENTER, ORLANDO, FLORIDA																								
4. PROJECT TITLE  BARRACKS	5. PROJECT NUMBER  P-200																							
<p>11. REQUIREMENT: (Continued)  <u>IMPACT IF NOT PROVIDED:</u> Overcrowding of adequate student berthing spaces will continue, with some students housed in facilities below the minimum standards of adequacy, to the detriment of morale, training, and career retention efforts.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(a) Date Design Started.....</td> <td style="width: 20%; text-align: right;">4-86</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Once Design 35% Complete.....</td> <td style="text-align: right;">12-86</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">8-87</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(a) Standard or Definitive Design:</td> <td style="width: 20%; text-align: right;">Yes    No    <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(a) Production of Plans and Specifications.....</td> <td style="width: 20%; text-align: right;">( 235 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 60 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">295</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 265 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 30 )</td> </tr> </table> <p>(4) Construction start..... <span style="float: right;">12-90</span>  <span style="float: right;">(month and year)</span></p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>			(a) Date Design Started.....	4-86	(b) Percent Complete as of January 1990.....	100	(c) Once Design 35% Complete.....	12-86	(d) Date Design Complete.....	8-87	(a) Standard or Definitive Design:	Yes    No <u>X</u>	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	( 235 )	(b) All Other Design Costs.....	( 60 )	(c) Total.....	295	(d) Contract.....	( 265 )	(e) In-house.....	( 30 )
(a) Date Design Started.....	4-86																							
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1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL TRAINING CENTER, ORLANDO, FLORIDA				4. PROJECT TITLE COLD STORAGE WAREHOUSE		
5. PROGRAM ELEMENT 0805796N		6. CATEGORY CODE 431.10	7. PROJECT NUMBER P-202		8. PROJECT COST (\$000) 1,400	
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
COLD STORAGE WAREHOUSE . . . . .		SF	10,560	-	1,000	
BUILDING . . . . .		SF	10,560	67.00	( 710)	
BUILT-IN EQUIPMENT . . . . .		LS	-	-	( 290)	
SUPPORTING FACILITIES . . . . .		-	-	-	270	
ELECTRICAL UTILITIES . . . . .		LS	-	-	( 90)	
MECHANICAL UTILITIES . . . . .		LS	-	-	( 100)	
PAVING AND SITE IMPROVEMENT . . . . .		LS	-	-	( 80)	
SUBTOTAL . . . . .		-	-	-	1,270	
CONTINGENCY (5%) . . . . .		-	-	-	60	
TOTAL CONTRACT COST . . . . .		-	-	-	1,330	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .		-	-	-	70	
TOTAL REQUEST . . . . .		-	-	-	1,400	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	- (NON-ADD)		( 0)	
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>						
One-story masonry building, concrete foundation and floor, built-up roof, loading dock with hydraulic dock levelers, stacking height approximately 16-feet, fire protection system, utilities.						
<b>11. REQUIREMENT: 10,560 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.</b>						
PROJECT: Constructs a cold storage warehouse. (Current mission.)						
REQUIREMENT: Adequate cold storage warehouse capacity to support the military personnel assigned to the activity, and sited in accordance with the master plan.						
CURRENT SITUATION: The existing cold storage warehouse is located 1.3 miles from the main base in an area which is intended for disposal action. The warehouse capacity is inadequate to support the increased student loading.						
IMPACT IF NOT PROVIDED: Existing cold storage warehouse which is improperly located, will have to be supplemented by commercially leased space. This will be expensive, complicate deliveries, increase transportation costs, and reduce supply reliability because of possible strikes and less flexibility during emergencies. Disposal of the existing warehouse area could not occur.						
(Continued on DD 1391c)						



1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
3. INSTALLATION AND LOCATION <b>NAVAL TRAINING CENTER, ORLANDO, FLORIDA</b>		
4. PROJECT TITLE <b>COLD STORAGE WAREHOUSE</b>	5. PROJECT NUMBER <b>P-202</b>	

**12. SUPPLEMENTAL DATA:**

a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a) Date Design Started.....	*
(b) Percent Complete as of January 1990.....	*
(c) Date Design 35% Complete.....	*
(d) Date Design Complete.....	*

(2) Basis:

(a) Standard or Definitive Design:	Yes _____ No <u>X</u>
(b) Where Design Was Most Recently Used:	<u>N/A</u>

(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)

(a) Production of Plans and Specifications.....	( <u>  </u> ) *
(b) All Other Design Costs.....	( <u>  </u> ) *
(c) Total.....	( <u>  </u> ) *
(d) Contract.....	( <u>  </u> ) *
(e) In-house.....	( <u>  </u> ) *

(4) Construction start..... 12-90  
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

\* Performance specifications to limit acquisition to modular construction.

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> <b>MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL TRAINING CENTER, ORLANDO, FLORIDA</b>				4. PROJECT TITLE <b>MESS HALL</b>		
5. PROGRAM ELEMENT <b>08Q5796N</b>		6. CATEGORY CODE <b>722.10</b>	7. PROJECT NUMBER <b>P-240</b>		8. PROJECT COST (\$000) <b>7,040</b>	
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
MESS HALL. . . . .		SF	52,000	-	5,650	
BUILDING . . . . .		SF	52,000	107.00	(5,560)	
TECHNICAL OPERATING MANUALS. . . . .		LS	-	-	( 90)	
SUPPORTING FACILITIES. . . . .		-	-	-	700	
ELECTRICAL UTILITIES . . . . .		LS	-	-	( 150)	
MECHANICAL UTILITIES . . . . .		LS	-	-	( 80)	
PAVING AND SITE IMPROVEMENT, DEMOLITION. .		LS	-	-	( 470)	
SUBTOTAL . . . . .		-	-	-	6,350	
CONTINGENCY (5%) . . . . .		-	-	-	320	
TOTAL CONTRACT COST. . . . .		-	-	-	6,670	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .		-	-	-	370	
TOTAL REQUEST. . . . .		-	-	-	7,040	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
One-story steel-frame building, concrete foundation and floor, masonry walls, built-up roof, fire protection system, air conditioning, utilities; loading ramp, emergency generator; equipment for kitchen, galley, dining, serving, storage; demolition of five buildings.						
11. REQUIREMENT: <u>104,000 SF.</u> ADEQUATE: <u>52,000 SF.</u> SUBSTANDARD: <u>0 SF.</u>						
PROJECT: Provides a centrally-located mess hall for more dining space, food service, and storage. (Current mission.)						
REQUIREMENT: Adequate additional dining capacity to support the NTC Orlando complex. This project supports the move of the ET "A" School from Great Lakes to Orlando.						
CURRENT SITUATION: The existing mess hall is overloaded resulting in slow service at peak meal periods. This overuse causes personnel to spend excessive time waiting in line to enter the facility. Galley personnel must spend long periods of time preparing and serving food, reducing time allotted for clean-up and maintenance of equipment.						
IMPACT IF NOT PROVIDED: This center cannot accommodate the expanded mission with its associated workload.						

(Continued on DD 1391c)

1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE																						
3. INSTALLATION AND LOCATION <b>NAVAL TRAINING CENTER, ORLANDO, FLORIDA</b>																								
4. PROJECT TITLE <b>MESS HALL</b>	5. PROJECT NUMBER <b>P-240</b>																							
<p><b>12. SUPPLEMENTAL DATA:</b></p> <p><b>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</b></p> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;"><u>11-88</u></td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;"><u>100</u></td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;"><u>5-89</u></td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;"><u>1-90</u></td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes <u>      </u> No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;"><u>N/A</u></td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">(<u>290</u>)</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">(<u>130</u>)</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;"><u>420</u></td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">(<u>355</u>)</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">(<u>65</u>)</td> </tr> </table> <p>(4) Construction start..... <u>12-90</u> (month and year)</p> <p><b>b. Equipment associated with this project which will be provided from other appropriations: None.</b></p>			(a) Date Design Started.....	<u>11-88</u>	(b) Percent Complete as of January 1990.....	<u>100</u>	(c) Date Design 35% Complete.....	<u>5-89</u>	(d) Date Design Complete.....	<u>1-90</u>	(a) Standard or Definitive Design:	Yes <u>      </u> No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( <u>290</u> )	(b) All Other Design Costs.....	( <u>130</u> )	(c) Total.....	<u>420</u>	(d) Contract.....	( <u>355</u> )	(e) In-house.....	( <u>65</u> )
(a) Date Design Started.....	<u>11-88</u>																							
(b) Percent Complete as of January 1990.....	<u>100</u>																							
(c) Date Design 35% Complete.....	<u>5-89</u>																							
(d) Date Design Complete.....	<u>1-90</u>																							
(a) Standard or Definitive Design:	Yes <u>      </u> No <u>X</u>																							
(b) Where Design Was Most Recently Used:	<u>N/A</u>																							
(a) Production of Plans and Specifications.....	( <u>290</u> )																							
(b) All Other Design Costs.....	( <u>130</u> )																							
(c) Total.....	<u>420</u>																							
(d) Contract.....	( <u>355</u> )																							
(e) In-house.....	( <u>65</u> )																							

1. COMPONENT  NAVY		FY 1991 <b>MILITARY CONSTRUCTION PROGRAM</b>					2. DATE				
3. INSTALLATION AND LOCATION  NAVAL COSTAL SYSTEMS CENTER, PANAMA CITY, FLORIDA				4. COMMAND  SPACE AND NAVAL WARFARE SYSTEMS COMMAND			5. AREA CONSTR. COST INDEX  .87				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		TOTAL	
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED		CIVILIAN
a. AS OF 09/30/88		51	407	1287	37	110	0	5	50	17	1964
b. END FY 1994		53	408	1315	74	533	0	5	50	17	2455
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 1,113)											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 65,390											
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 7,330											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 5,300											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 5,000											
g. REMAINING DEFICIENCY . . . . . 15,070											
h. GRAND TOTAL . . . . . 98,090											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE				
310.33	COMP/ANALYSIS LAB ADDN				33,000 SF	5,300	01/89	01/90			
	TOTAL					5,300					
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM NONE											
B. MAJOR PLANNED NEXT THREE YEARS:											
315.20	U/W ELEX SYS ENG/TEST FAC				50,000 SF	5,000					
10. MISSION OR MAJOR FUNCTIONS:											
Principal Navy RDT&E center for the application of science and technology associated with military operations carried out principally in the coastal region. Maintains the primary in-house research and development capability for inshore warfare including countermeasures, defense, surveillance, and interdiction; control technology; naval swimmer/diver support systems; salvage support; acoustic countermeasures; and amphibious operations.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 0											
B: INSTALLATION RESTORATION 12,740											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT <b>NAVY</b>		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL COASTAL SYSTEMS CENTER, PANAMA CITY, FLORIDA</b>			4. PROJECT TITLE <b>COMPUTATION AND ANALYSIS LABORATORY ADDITION</b>		
5. PROGRAM ELEMENT <b>0605896N</b>	6. CATEGORY CODE <b>310.33</b>	7. PROJECT NUMBER <b>P-301</b>	8. PROJECT COST (\$000) <b>5,300</b>		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
COMPUTATION AND ANALYSIS LABORATORY ADDN . .	SF	33,000	-	4,350	
BUILDING . . . . .	SF	33,000	112.00	(3,700)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 590)	
TECHNICAL OPERATING MANUALS. . . . .	LS	-	-	( 60)	
SUPPORTING FACILITIES. . . . .	-	-	-	430	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 70)	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 110)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 90)	
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	( 160)	
SUBTOTAL . . . . .	-	-	-	4,780	
CONTINGENCY (5%) . . . . .	-	-	-	240	
TOTAL CONTRACT COST. . . . .	-	-	-	5,020	
SUPERVISION, INSPECTION & OVERHEAD (5.5%)..	-	-	-	280	
TOTAL REQUEST. . . . .	-	-	-	5,300	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(31,550)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Three-story reinforced concrete frame building, concrete foundation and floors, masonry walls, built-up roof capable of supporting electrical equipment, shielded spaces, five-ton monorail system, fire protection system, air conditioning and mechanical ventilation, utilities; demolition of two buildings.</p>					
<p>11. REQUIREMENT: 120,320 SF. ADEQUATE: 87,320 SF. SUBSTANDARD: 0 SF.  <u>PROJECT:</u> Provides building addition to consolidate the computation and analysis area with a multi-discipline laboratory for RDT&amp;E on undersea countermeasure and coastal and special warfare programs. (Current mission.)  <u>REQUIREMENT:</u> Adequate research and computer space for high priority programs in surface mine countermeasure exploratory development, all Naval Special Warfare, sonar and torpedo countermeasures, and the Mine Countermeasure (MCM-1) Class Combat System. The U.S. Navy countermeasure technology requires continuous improvements to meet the threat of the 1990's. The Countermeasures Evaluator (CME) and the Active Sonar Model (ASM) are the center's computer simulation systems, utilized to provide real-time, interactive simulation of acoustic-sensors (torpedo and mine and sonar), ships and submarines, and acoustic countermeasures in a simulated at-sea environment. The software engineering computer center provides life-cycle maintenance and supports the software development for the CME and the Surface Ship Torpedo Defense (SSTD) program. Also needed is</p>					
(Continued on DD 1391c)					

1. COMPONENT		2. DATE								
NAVY										
FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA										
3. INSTALLATION AND LOCATION										
NAVAL COASTAL SYSTEMS CENTER, PANAMA CITY, FLORIDA										
4. PROJECT TITLE		5. PROJECT NUMBER								
COMPUTATION AND ANALYSIS LABORATORY ADDITION		P-301								
<p>11. REQUIREMENT: (Continued)</p> <p>a comprehensive, multi-discipline Naval Special Warfare area which incorporates major aspects and functions (i.e. submersible, surface and air platforms, command/control/communications and intelligence, life support, and weapons) from other warfare areas for application in a variety of environments worldwide. The continually changing nature of the threat and the requirements specified for the Naval Special Warfare community require the development and application of new technology to meet the difficult and complex missions of the Naval Special Warfare forces. The proposed facility will provide the required space to centralize vital computer assets used for simulation studies, software development, signal processing, engineering design of systems and hardware, and provide compartmented workspace for Special Warfare programs.</p> <p><u>CURRENT SITUATION:</u> The projected workload at the center will triple in the future, as mandated initiatives in Naval Special Warfare and undersea countermeasures are being developed. These programs will require secure laboratory and computer space, and compartmented workspace, which cannot be provided in existing facilities. Many of the above new and expanded mission requirements require the scientific expertise of many different disciplines, all applied to a single undertaking. Current spatial deficiencies render colocation impossible, requires scientists working on a common problem to work in three separate facilities, and prevents scientific inter-disciplinary dialogues and communication required for development of new ideas, new products and maximum creativity. Current facilities are inadequate, overcrowded, and lack sufficient secure space to accommodate further system expansion from the growth in computer and equipment assets, as well as environmental controls.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Navy's surface ships and submarine forces will continue to operate with less than optimum defenses against threat, mines, sonar, and torpedoes. Emergent mandated research to develop improved mine and torpedo countermeasures systems and equipment cannot be carried out, which effects the product development to be utilized by the Fleet for protection. Proper management, direction, and execution of Naval Special Warfare Research and Development will be in jeopardy, as potential scientific breakthroughs may not be realized or maybe substantially delayed because of continued operations in unsecure and inadequate facilities needed for special access programs.</p> <p>12 SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table> <tr> <td>(a) Date Design Started.....</td> <td>1-89</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>7-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>1-90</td> </tr> </table> <p>(Continued on DD 1391c)</p>			(a) Date Design Started.....	1-89	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	7-89	(d) Date Design Complete.....	1-90
(a) Date Design Started.....	1-89									
(b) Percent Complete as of January 1990.....	100									
(c) Date Design 35% Complete.....	7-89									
(d) Date Design Complete.....	1-90									



1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION  NAVAL SUPPLY CENTER, PENSACOLA, FLORIDA					4. COMMAND  NAVAL SUPPLY SYSTEMS COMMAND			5. AREA CONSTR. COST INDEX  .82			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88		13	21	394	0	0	3	0	0	21	452
b. END FY 1994		14	19	591	0	0	3	0	0	21	648
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE . . . . . TENANT OF NAS											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 0											
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 3,640											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 6,100											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0											
g. REMAINING DEFICIENCY . . . . . 0											
h. GRAND TOTAL . . . . . 9,740											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE			SCOPE		COST (\$000)		DESIGN STATUS START COMPLETE		
431.10		COLD STORAGE WAREHOUSE			39,360 SF		6,100		11/88 01/90		
		TOTAL					6,100				
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM NONE											
B. MAJOR PLANNED NEXT THREE YEARS: NONE											
10. MISSION OR MAJOR FUNCTIONS:											
This center is the primary stock point for Navy wholesale supply and support services to fleet units and shore activities on the Gulf Coast including local aviation activities, and the Naval Aviation Depot.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT . . . . . 0											
B: INSTALLATION RESTORATION . . . . . 0											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): . . . . . 0											



1. COMPONENT <b>NAVY</b>		2. DAT2 <b>FY 19 91 MILITARY CONSTRUCTION PROJECT DATA</b>		
3. INSTALLATION AND LOCATION <b>NAVAL SUPPLY CENTER, PENSACOLA, FLORIDA</b>		4. PROJECT TITLE <b>COLD STORAGE WAREHOUSE</b>		
5. PROGRAM ELEMENT <b>0702896N</b>	6. CATEGORY CODE <b>431.10</b>	7. PROJECT NUMBER <b>P-271</b>	8. PROJECT COST (\$000) <b>6,100</b>	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
COLD STORAGE WAREHOUSE . . . . .	SF	39,360	-	4,270
COLD STORAGE BUILDING . . . . .	SF	30,560	83.00	(2,540)
WAREHOUSE BUILDING . . . . .	SF	7,300	30.00	( 220)
EXTERIOR STORAGE AREA . . . . .	SF	1,500	20.00	( 30)
BUILT-IN EQUIPMENT . . . . .	LS	-	-	(1,480)
SUPPORTING FACILITIES . . . . .	-	-	-	1,230
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 340)
MECHANICAL UTILITIES . . . . .	LS	-	-	( 250)
PAVING AND SITE IMPROVEMENT . . . . .	LS	-	-	( 340)
DEMOLITION . . . . .	LS	-	-	( 300)
SUBTOTAL . . . . .	-	-	-	5,500
CONTINGENCY (5%) . . . . .	-	-	-	280
TOTAL CONTRACT COST . . . . .	-	-	-	5,780
SUPERVISION, INSPECTION AND OVERHEAD (5.5%) . . . . .	-	-	-	320
TOTAL REQUEST . . . . .	-	-	-	6,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS . . . . .	-	-	(NON-ADD)	( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
One-story high-bay steel frame building, concrete foundation and floor, metal doors, masonry walls, built-up roof, loading apron, central refrigeration system, emergency electric power system, utilities, fire protection system, air conditioning; demolition of three buildings.				
11. REQUIREMENT: 39,360 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF. PROJECT: Constructs cold storage and controlled humidity facilities. (New mission.) REQUIREMENT: An adequate and energy efficient cold storage warehouse for frozen and chilled food products that are issued to fleet units and shore activities in the Pensacola area. CURRENT SITUATION: The existing cold storage warehouse has inadequate capacity, is antiquated and beyond economical repair. Refrigerated storage units in the building have obsolete refrigeration systems subject to frequent breakdowns, and for which repair parts are difficult to obtain. With the Pensacola area's high temperatures and high humidity, inadequate storage of frozen products with an abnormally high amount of material handling causes deterioration. The existing warehouse with a maximum of eight-foot stacking height has inadequate storage capacity to insure stock levels for 45 days. IMPACT IF NOT PROVIDED: Pensacola will continue to experience difficulty in supporting fleet units being served. Inadequate cold storage will continue product deterioration, excessive product handling, and unsatisfactory stock levels. (Continued on DD 1391c)				

1. COMPONENT	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																						
NAVY																								
3. INSTALLATION AND LOCATION																								
NAVAL SUPPLY CENTER, PENSACOLA, FLORIDA																								
4. PROJECT TITLE	5. PROJECT NUMBER																							
COLD STORAGE WAREHOUSE	P-271																							
<p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 40px;"> <p>(1) Status:</p> <table style="margin-left: 20px; border-collapse: collapse;"> <tr> <td style="padding-right: 10px;">(a) Date Design Started.....</td> <td style="border-bottom: 1px solid black; text-align: right;">11-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="border-bottom: 1px solid black; text-align: right;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="border-bottom: 1px solid black; text-align: right;">5-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="border-bottom: 1px solid black; text-align: right;">1-90</td> </tr> </table> <p>(2) Basis:</p> <table style="margin-left: 20px; border-collapse: collapse;"> <tr> <td style="padding-right: 10px;">(a) Standard or Definitive Design:</td> <td style="text-align: center;">Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: center; border-bottom: 1px solid black;">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="margin-left: 20px; border-collapse: collapse;"> <tr> <td style="padding-right: 10px;">(a) Production of Plans and Specifications.....</td> <td style="border-bottom: 1px solid black; text-align: right;">280</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="border-bottom: 1px solid black; text-align: right;">50</td> </tr> <tr> <td>(c) Total.....</td> <td style="border-bottom: 1px solid black; text-align: right;">330</td> </tr> <tr> <td>(d) Contract.....</td> <td style="border-bottom: 1px solid black; text-align: right;">265</td> </tr> <tr> <td>(e) In-house.....</td> <td style="border-bottom: 1px solid black; text-align: right;">65</td> </tr> </table> <p>(4) Construction start..... <span style="float: right;">12-90</span>  <span style="float: right;">(month and year)</span></p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>			(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> X	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	280	(b) All Other Design Costs.....	50	(c) Total.....	330	(d) Contract.....	265	(e) In-house.....	65
(a) Date Design Started.....	11-88																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	5-89																							
(d) Date Design Complete.....	1-90																							
(a) Standard or Definitive Design:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> X																							
(b) Where Design Was Most Recently Used:	N/A																							
(a) Production of Plans and Specifications.....	280																							
(b) All Other Design Costs.....	50																							
(c) Total.....	330																							
(d) Contract.....	265																							
(e) In-house.....	65																							

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, PENSACOLA, FLORIDA					4. COMMAND NAVAL FACILITIES ENGINEERING COMMAND			5. AREA CONSTR. COST INDEX .82			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88		8	0	757	0	0	0	0	0	0	765
b. END FY 1994		8	0	750	0	0	0	0	0	0	758
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 285)											
b. INVENTORY TOTAL AS OF 30 SEP 88 61,530											
c. AUTHORIZATION NOT YET IN INVENTORY 5,620											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 3,440											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0											
f. PLANNED IN NEXT THREE PROGRAM YEARS 2,100											
g. REMAINING DEFICIENCY 18,850											
h. GRAND TOTAL 91,540											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS START COMPLETE	
842.10		WTR & SEWER PIPELINES SEP				LS		3,440		04/89 05/90	
		TOTAL						3,440			
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM NONE											
B. MAJOR PLANNED NEXT THREE YEARS:											
841.51		POTABLE WATER RESERVOIRS				5,680 GM		2,100			
10. MISSION OR MAJOR FUNCTIONS:											
Provides public works, public utilities, public housing, transportation support, engineering services, shore facilities planning support, and all other public works logistics support incident thereto, required by the operating forces, dependent activities, and other commands located in the vicinity of the Pensacola Navy Complex											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 2,450											
B: INSTALLATION RESTORATION 0											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION  MARINE CORPS LOGISTICS BASE, ALBANY, GEORGIA					4. COMMAND  COMMANDANT OF THE MARINE CORPS		5. AREA CONSTR. COST INDEX  .85				
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1994		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
		140	858	2828	0	102	0	17	88	328	
		138	902	2895	0	66	0	19	100	263	4383
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 3,638 )											
b. INVENTORY TOTAL AS OF 30 SEP 88 87.160											
c. AUTHORIZATION NOT YET IN INVENTORY 7.270											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 5.850											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 4.350											
f. PLANNED IN NEXT THREE PROGRAM YEARS 1.330											
g. REMAINING DEFICIENCY 2.950											
h. GRAND TOTAL 108.910											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
218.45	CALIBRATION EQUIP TEST FAC				35,000 SF	3,250	05/87	01/89			
831.15	INDUST WST TRMT PLNT IMPVS				LS	2,600	11/88	01/90			
		TOTAL					5,850				
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
213.59	ABRASIVE BLAST FACILITY				19,600 SF	4,350					
		TOTAL					4,350				
B. MAJOR PLANNED NEXT THREE YEARS:											
441.30	FIRE PROT WAREHOUSE				LS	750					
740.74	CHILD CARE CENTER				6,380 SF	580					
10. MISSION OR MAJOR FUNCTIONS:											
Perform the full range of inventory management functions for secondary items to which assigned integrated materiel management responsibility; perform, subsequent to acquisition phase, full range of inventory management functions for principal end items; oversee fielded Marine Corps weapons systems readiness and logistic support; perform cataloging and delegated standardization functions for the Marine Corps; perform all required storage functions in support of on-hand stores materiel; provide fifth echelon depot level maintenance capability for support of nonconsumable items rebuild requirements; provide overflow fourth echelon maintenance capability in support of operating forces nonconsumable item repair requirements; provide a central logistics quality assurance program; conduct formal schools and training, as directed; and perform such other tasks and functions as may be directed by the Commandant of the Marine Corps.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT						0					
B: INSTALLATION RESTORATION						470					
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):						0					

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION MARINE CORPS LOGISTICS BASE, ALBANY, GEORGIA			4. PROJECT TITLE CALIBRATION EQUIPMENT TEST FACILITY		
5. PROGRAM ELEMENT 0702896M	6. CATEGORY CODE 218.45	7. PROJECT NUMBER P-310	8. PROJECT COST (\$000) 3,250		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
CALIBRATION EQUIPMENT TEST FACILITY. . . . .	SF	35,000	-	2,050	
BUILDING . . . . .	SF	35,000	49.00	(1,720)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 330)	
SUPPORTING FACILITIES. . . . .	-	-	-	880	
UTILITIES. . . . .	LS	-	-	( 720)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 160)	
SUBTOTAL . . . . .	-	-	-	2,930	
CONTINGENCY (5%) . . . . .	-	-	-	150	
TOTAL CONTRACT COST. . . . .	-	-	-	3,080	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	170	
TOTAL REQUEST. . . . .	-	-	-	3,250	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One-story masonry load-bearing wall building, concrete foundation and floor, built-up roof on insulated metal deck, computer flooring, electronic shielding, emergency generator, noise suppressor, special calibration and testing clean room, storage area, fire protection system, environmental control and comfort air conditioning, utilities.					
11. REQUIREMENT: 135,640 SF. ADEQUATE: 100,640 SF. SUBSTANDARD: 0 SF. PROJECT: Provides a facility to rebuild, repair, calibrate and test various test, measurement, and diagnostic equipment. (Current mission.) REQUIREMENT: Adequate and properly-configured facility for sole source automatic test equipment (ATE) repair and design and to provide work space for metrology branch (MB) personnel and equipment. Additional personnel are necessary to reach established staffing goals based on current workload. Personnel have increased from 34 to 90, with a projected requirement for 114 persons by 1990. CURRENT SITUATION: The work space currently available is not sufficient to accomplish present work requirements. Over the years, as work requirements expanded and personnel and equipment increased, other production areas of the Depot Maintenance Activity (DMA) were compressed, rearranged, or relocated to permit expansion of the MB. Space for further expansion is no longer available nor is it the most effective use of current real estate. The steadily increasing workload and the use of more modern sophisticated equipment have caused the existing facilities to become overcrowded. The (Continued on DD 1351c)					

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UNTIL EXHAUSTED

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1. COMPONENT  NAVY	<b>FY 1991 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
3. INSTALLATION AND LOCATION  MARINE CORPS LOGISTICS BASE, ALBANY, GEORGIA		
4. PROJECT TITLE  CALIBRATION EQUIPMENT TEST FACILITY	5. PROJECT NUMBER  P-310	
<p>11. REQUIREMENT: (Continued)  <u>CURRENT SITUATION: (Continued)</u>  accuracy and precision of measurements required for testing and calibration increases as the level of technology increases. The acquisition of larger computer systems to support the Marine Corps ATE has shown a need to provide an environment relatively free of electrical interference and dust with reliable climate control and power distribution. Within the current DMA facility, the movement of tanks, personnel carriers, tank retrievers, cranes, and other heavy equipment, under their own power or by a 75-ton overhead crane occurs directly adjacent to the space occupied by the MB.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Continued use of inefficient spaces will adversely affect the quality of the products produced. Full calibration and measurement services cannot be provided. If metrology projects cannot be supported, new equipment evaluation and procurement, and development of new calibration and repair resources will be adversely affected. Marine Corps-wide maintenance programs requiring the use of ATE will be affected, if test and maintenance packages cannot be delivered on schedule or at all. Existing maintenance programs relying on ATE gear will be adversely affected, if the updating and test program maintenance functions cannot be performed. The above elements directly affect and will adversely impact Marine Corps readiness and combat capability, since every piece of radar and communication equipment is involved.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> (1) Status: <div style="margin-left: 20px;"> (a) Date Design Started..... 5-87  (b) Percent Complete as of January 1990..... 100  (c) Date Design 35% Complete..... 10-87  (d) Date Design Complete..... 1-89 </div> (2) Basis: <div style="margin-left: 20px;"> (a) Standard or Definitive Design: Yes No X  (b) Where Design Was Most Recently Used: N/A </div> (3) Total cost (c) = (a) + (b) or (d) + (e): (\$000) <div style="margin-left: 20px;"> (a) Production of Plans and Specifications..... ( 130 )  (b) All Other Design Costs..... ( 60 )  (c) Total..... 190  (d) Contract..... ( 155 )  (e) In-house..... ( 35 ) </div> (4) Construction start..... 12-90  <div style="text-align: right;">(month and year)</div> </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT <b>NAVY</b>	<b>FY 19 91 MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE
3. INSTALLATION AND LOCATION <b>MARINE CORPS LOGISTICS BASE, ALBANY, GEORGIA</b>		4. PROJECT TITLE <b>INDUSTRIAL WASTE TREATMENT PLANT IMPROVEMENTS</b>		
5. PROGRAM ELEMENT <b>0702896M</b>	6. CATEGORY CODE <b>831.15</b>	7. PROJECT NUMBER <b>P-605</b>	8. PROJECT COST (\$000) <b>2,600</b>	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
INDUSTRIAL WASTE TREATMENT PLANT IMPR. . . .	LS	-	-	2,350
TREATMENT FACILITIES . . . . .	LS	-	-	(1,400)
SECONDARY CONTAINMENT. . . . .	LS	-	-	( 650)
REPAIR AND REPLACEMENT OF PLANT COMPONENTS	LS	-	-	( 300)
SUBTOTAL . . . . .	-	-	-	2,350
CONTINGENCY (5%) . . . . .	-	-	-	120
TOTAL CONTRACT COST. . . . .	-	-	-	2,470
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	130
TOTAL REQUEST. . . . .	-	-	-	2,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)
<p>10. DESCRIPTION OF PROPOSED CONSTRUCTION</p> <p>New influent flow division box, gravity separator, chrome reduction tank, dissolved air flotation tank, mechanical mixing system in existing surge tanks, automatic polymer feed and dosage system; secondary containment tanks with spillage removal piping systems; improvements to existing flow metering, chemical feed pump and motor; repair and replacement of existing plant deteriorated tanks; utilities.</p> <p>11. REQUIREMENT: <u>As Required.</u></p> <p><u>PROJECT:</u> Provides additional and improved capabilities to remove oils, greases, and settleable solids to improve the industrial wastewater treatment plant efficiency. (Current mission.)</p> <p><u>REQUIREMENT:</u> Adequate facilities to bring the industrial wastewater treatment plant into full compliance with applicable Environmental Protection Agency standards and criteria. Improve effluent standards for metal finishing and the hazardous waste management system.</p> <p><u>CURRENT SITUATION:</u> Wastewaters are received from several industrial and maintenance shops. After various wash and rinses and pumping through separators, concentrated wastes are periodically removed, containerized, and stored in dedicated tanks. Downstream of the surge tanks, wastes are pumped through various tanks with effluent being discharged into the sanitary sewer system. A recent study of the effluent quality found oil and grease carry through into the sewage treatment plant in violation of its National Pollution Discharge Elimination System (NPDES) permit limit.</p> <p style="text-align: right;">(Continued on DD 1391c)</p>				

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
MARINE CORPS LOGISTICS BASE, ALBANY, GEORGIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
INDUSTRIAL WASTE TREATMENT PLANT IMPROVEMENTS		P-605	
<p>11. REQUIREMENT: (Continued)</p> <p><b>IMPACT IF NOT PROVIDED:</b> Present operations will continue, causing periodic effluent quality violations. Unmetered, poorly controlled process operations and structural deterioration of existing tankage will be perpetuated.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... 11-88</p> <p>(b) Percent Complete as of January 1990..... 100</p> <p>(c) Date Design 35% Complete..... 1-89</p> <p>(d) Date Design Complete..... 1-90</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes _____ No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( 55 )</p> <p>(b) All Other Design Costs..... ( 25 )</p> <p>(c) Total..... 80</p> <p>(d) Contract..... ( 75 )</p> <p>(e) In-house..... ( 5 )</p> <p>(4) Construction start..... 12-90</p> <p>(month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			



1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA				4. COMMAND STRATEGIC SYSTEMS PROJECTS OFFICE		5. AREA CONSTR. COST INDEX .98					
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		TOTAL	
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED		CIVILIAN
a. AS OF 09/30/88		420	4273	4888	7	110	0	0	0	0	9698
b. END FY 1994		640	7017	4367	14	159	0	0	0	0	12197
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 16,711)											
b. INVENTORY TOTAL AS OF 30 SEP 88 417,880											
c. AUTHORIZATION NOT YET IN INVENTORY 807,250											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 69,120											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 8,770											
f. PLANNED IN NEXT THREE PROGRAM YEARS 11,240											
g. REMAINING DEFICIENCY 40,330											
h. GRAND TOTAL 1,354,590											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	STATUS COMPLETE						
152.10	EXPLOSIVES HANDLG WHARF	11,210 SY	56,400	01/89	08/90						
171.20	TRIDENT TRAINING FAC ADDN	42,000 SF	4,900	12/88	06/90						
421.48	SMALL ORDNANCE MAGAZINE	LS	620	09/88	06/89						
721.11	BACHELOR ENLISTED QUARTERS	73,000 SF	7,200	12/88	06/90						
TOTAL			69,120								
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
219.77	PW STOR AREA ADDN	4,800 SF	510								
740.17	DRMD OPS	LS	500								
740.25	RECREATION SERVICES	LS	3,520								
740.26	CAFETERIA	LS	1,430								
740.37	SPECIAL SERVICES	LS	2,810								
TOTAL			8,770								
10. MISSION OR MAJOR FUNCTIONS:											
Provide facilities for refit of POSEIDON and TRIDENT submarines and TRIDENT II (D-5) missile production.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 0											
B: INSTALLATION RESTORATION 0											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT NAVY	91 FY 19__ MILITARY CONSTRUCTION PROJECT DATA	2. DATE		
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA		4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		
5. PROGRAM ELEMENT 0101228N	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-418		
8. PROJECT COST (\$000) 7,200				
<b>B. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
BACHELOR ENLISTED QUARTERS. . . . .	SF	73,000	70.00	5,120
SUPPORTING FACILITIES . . . . .	-	-	-	1,380
UTILITIES . . . . .	LS	-	-	( 880)
PAVING AND SITE IMPROVEMENT . . . . .	LS	-	-	( 500)
SUBTOTAL. . . . .	-	-	-	6,500
CONTINGENCY (5%). . . . .	-	-	-	320
TOTAL CONTRACT COST . . . . .	-	-	-	6,820
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	380
TOTAL REQUEST . . . . .	-	-	-	7,200
EQUIPMENT REQUESTED FROM OTHER APPROPRIATION:	-	-	(NON-ADD)	( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
<p>Three-story steel-frame dormitory buildings, concrete foundation and floors, masonry walls, composition roof, fire protection system, air conditioning, utilities; 96 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment.</p> <p>Grade mix: 160 E1-E4, 100 E5-E6, 6 E7-E9. Total: 266.</p>				
11. REQUIREMENT: 2,256 PN. ADEQUATE: 1,172 PN. SUBSTANDARD: 0 PN.				
<p><u>PROJECT:</u> Provides adequate billeting for bachelor enlisted personnel. (New mission.)</p> <p><u>REQUIREMENT:</u> Adequate housing for bachelor enlisted personnel in grades E1-E9. This is eight of nine projects programmed to satisfy the deficiency at Kings Bay.</p> <p><u>CURRENT SITUATION:</u> Existing or under construction bachelor enlisted quarters are adequate to accommodate berthing requirements only through 1990. These and follow-on projects have been programmed to match the rate of population build-up at Kings Bay.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Insufficient adequate billeting space will be available to house the bachelor enlisted personnel assigned to Kings Bay. Given the isolation of the region, reasonably priced, suitable rental housing is not abundant on the private economy.</p>				
(Continued on DD 1391c)				

1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
3. INSTALLATION AND LOCATION <b>NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA</b>		
4. PROJECT TITLE <b>BACHELOR ENLISTED QUARTERS</b>	5. PROJECT NUMBER <b>P-418</b>	
<p><b>12. SUPPLEMENTAL DATA:</b></p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <p>(a) Date Design Started..... <u>12-88</u></p> <p>(b) Percent Complete as of January 1990..... <u>50</u></p> <p>(c) Date Design 35% Complete..... <u>7-89</u></p> <p>(d) Date Design Complete..... <u>6-90</u></p> </div> <div style="margin-left: 80px;"> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design:      Yes <u>      </u> No <u>  X  </u></p> <p>(b) Where Design Was Most Recently Used:      <u>  N/A  </u></p> </div> <div style="margin-left: 80px;"> <p>(3) Total cost (c) = (a) + (b) or (d) + (e):      (\$000)</p> <p>(a) Production of Plans and Specifications..... ( <u>  220  </u> )</p> <p>(b) All Other Design Costs..... ( <u>      0  </u> )</p> <p>(c) Total..... <u>  220  </u></p> <p>(d) Contract..... ( <u>      0  </u> )</p> <p>(e) In-house..... ( <u>  220  </u> )</p> </div> <div style="margin-left: 80px;"> <p>(4) Construction start..... <u>  12-90  </u></p> <p style="margin-left: 100px;">(month and year)</p> </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: <b>None.</b></p>		

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA				4. PROJECT TITLE EXPLOSIVES HANDLING WHARF		
5. PROGRAM ELEMENT 0101228N		6. CATEGORY CODE 152.10	7. PROJECT NUMBER P-364		8. PROJECT COST (\$000) 56,400	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
EXPLOSIVE HANDLING WHARF. . . . .		SY	11,210		38,130	
WHARF AND APPROACH RAMPS. . . . .		SY	10,640	1,500	(16,050)	
IN-HAUL WHARF . . . . .		SY	570	1,500	( 860)	
SUPPORT BUILDING. . . . .		SF	17,400	115.00	( 2,010)	
SLIP COVER. . . . .		LS	-	-	(14,300)	
BUILT-IN EQUIPMENT (CRANES, BOOMS). . . . .		LS	-	-	( 4,910)	
SUPPORTING FACILITIES . . . . .		-	-	-	12,790	
UTILITIES . . . . .		LS	-	-	( 6,710)	
PAVING AND SITE IMPROVEMENT, DREDGING . . . . .		LS	-	-	( 3,770)	
DEMOLITION. . . . .		LS	-	-	( 2,310)	
SUBTOTAL. . . . .		-	-	-	50,920	
CONTINGENCY (5%). . . . .		-	-	-	2,540	
TOTAL CONTRACT COST . . . . .		-	-	-	53,460	
SUPERVISION, INSPECTION, AND OVERHEAD (5.5%). . . . .		-	-	-	2,940	
TOTAL REQUEST . . . . .		-	-	-	56,400	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS. . . . .		-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>660-feet long reinforced concrete wharf, pilings, slip cover, two 120-ton bridge cranes and two power utility booms; reinforced concrete in-haul wharf; in-haul system, two-story masonry and concrete building, built-up roof; electrical substation, lightning protection system, fire protection system, air conditioning, security system, utilities; demolition of a portion of the marginal wharf.</p>						
11. REQUIREMENT: <u>24,480 SY.</u> ADEQUATE: <u>13,270 SY.</u> SUBSTANDARD: <u>0 SY.</u>						
PROJECT: Provides a covered explosives handling wharf. (New mission.)						
REQUIREMENT: Adequate all-weather wharf facilities are essential for berthing OHIO Class submarines during missile loading and off-loading and during special operations. In addition to missiles, these activities include loading and off-loading torpedoes, defensive weapon systems, missile guidance systems, launcher gas generators, and miscellaneous inert components.						
CURRENT SITUATION: Two TRIDENT II explosive handling facilities are required to support a squadron of OHIO Class submarines. One explosive handling wharf is available.						
IMPACT IF NOT PROVIDED: Capability will not be available to service the full squadron of OHIO Class submarines with TRIDENT II missiles. Refit cycles would overlap and be increased in duration, resulting in a decrease of patrol time at sea.						
(Continued on DD 1391c)						

1. COMPONENT	<b>FY 19 91 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE																										
NAVY																												
3. INSTALLATION AND LOCATION																												
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA																												
4. PROJECT TITLE	5. PROJECT NUMBER																											
EXPLOSIVES HANDLING WHARF	P-364																											
<p><b>12. SUPPLEMENTAL DATA:</b></p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 40px;"> <p>(1) Status:</p> <table style="margin-left: 20px;"> <tr><td>(a) Date Design Started.....</td><td style="text-align: right;">1-89</td></tr> <tr><td>(b) Percent Complete as of January 1990.....</td><td style="text-align: right;">45</td></tr> <tr><td>(c) Date Design 35% Complete.....</td><td style="text-align: right;">9-89</td></tr> <tr><td>(d) Date Design Complete.....</td><td style="text-align: right;">8-90</td></tr> </table> <p>(2) Basis:</p> <table style="margin-left: 20px;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes</td> <td style="text-align: right;">No</td> <td style="text-align: right;">X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3" style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="margin-left: 20px; width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 750 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 585 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">1335</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 1250 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 85 )</td> </tr> </table> <p>(4) Construction start..... <span style="float: right;">12-90</span>  <span style="float: right;">(month and year)</span></p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>			(a) Date Design Started.....	1-89	(b) Percent Complete as of January 1990.....	45	(c) Date Design 35% Complete.....	9-89	(d) Date Design Complete.....	8-90	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A			(a) Production of Plans and Specifications.....	( 750 )	(b) All Other Design Costs.....	( 585 )	(c) Total.....	1335	(d) Contract.....	( 1250 )	(e) In-house.....	( 85 )
(a) Date Design Started.....	1-89																											
(b) Percent Complete as of January 1990.....	45																											
(c) Date Design 35% Complete.....	9-89																											
(d) Date Design Complete.....	8-90																											
(a) Standard or Definitive Design:	Yes	No	X																									
(b) Where Design Was Most Recently Used:	N/A																											
(a) Production of Plans and Specifications.....	( 750 )																											
(b) All Other Design Costs.....	( 585 )																											
(c) Total.....	1335																											
(d) Contract.....	( 1250 )																											
(e) In-house.....	( 85 )																											

1. COMPONENT <b>NAVY</b>		2. DATE		
3. INSTALLATION AND LOCATION <b>NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA</b>		4. PROJECT TITLE <b>TRIDENT TRAINING FACILITY ADDITION</b>		
5. PROGRAM ELEMENT <b>0101228N</b>	6. CATEGORY CODE <b>171.20</b>	7. PROJECT NUMBER <b>P-414</b>	8. PROJECT COST (\$000) <b>4,900</b>	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
TRIDENT TRAINING FACILITY ADDITION. . . . .	SF	42,000	91.00	3,810
SUPPORTING FACILITIES . . . . .	-	-	-	620
UTILITIES. . . . .	LS	-	-	( 340)
PAVING AND SITE IMPROVEMENT . . . . .	LS	-	-	( 280)
SUBTOTAL. . . . .	-	-	-	4,430
CONTINGENCY (5%). . . . .	-	-	-	220
TOTAL CONTRACT COST . . . . .	-	-	-	4,650
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	250
TOTAL REQUEST . . . . .	-	-	-	4,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS. . . . .	-	- (NON-ADD)	-	( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION  One two-story and one single-story concrete and steel frame building additions, concrete foundations and floors with raised decking, metal panel and masonry walls, fire protection and security systems, air conditioning, utilities.  11. REQUIREMENT: <u>563,900 SF.</u> ADEQUATE: <u>521,900 SF.</u> SUBSTANDARD: <u>0 SF.</u> PROJECT: Provides two additions to the TRIDENT Training Facility. (New mission.) REQUIREMENT: Adequate facilities to train replacement crews and maintain proficiency of off-patrol crews of Atlantic Fleet TRIDENT II submarines, train basic students in submarine strategic weapons systems, and train advanced students in operation and maintenance of TRIDENT II FBM Weapons System equipment. CURRENT SITUATION: There is no space in the existing TRIDENT Training Facility to accomplish the required expanded training for the Atlantic Fleet TRIDENT II submarine crews. Basic and advanced Strategic Weapons Systems training is presently being conducted at the training center in Dam Neck, Virginia. The available classroom and laboratory spaces at Dam Neck are overcrowded which has forced a three-shift operation in an effort to provide hands-on training to all students. These facilities are needed for surface missile training, the primary mission of the Dam Neck school.  <div style="text-align: right;">(Continued on DD 1391c)</div>				

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL SUBMARINE BASE, KINGS BAY, GEORGIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
TRIDENT TRAINING FACILITY ADDITION		P-414	
<p>11. REQUIREMENT: (Continued)</p> <p><u>IMPACT IF NOT PROVIDED:</u> The existing overcrowded conditions at Dam Neck will adversely affect the quality of training for submarine and surface weapons personnel.</p>			
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... 12-88</p> <p>(b) Percent Complete as of January 1990..... 50</p> <p>(c) Date Design 35% Complete..... 7-89</p> <p>(d) Date Design Complete..... 6-90</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes No <input checked="" type="checkbox"/> X</p> <p>(b) Where Design Was Most Recently Used: N/A</p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( 170 )</p> <p>(b) All Other Design Costs..... ( 80 )</p> <p>(c) Total..... 250</p> <p>(d) Contract..... ( 220 )</p> <p>(e) In-house..... ( 30 )</p> <p>(4) Construction start..... 12-90</p> <p>(month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION NAVAL MAGAZINE, LUALUALEI, HAWAII				4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET		5. AREA CONSTR. COST INDEX 1.39				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	54	350	124	0	0	0	0	0	0	528
b. END FY 1994	65	481	124	0	0	0	0	0	0	670
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 12,142)										
b. INVENTORY TOTAL AS OF 30 SEP 88 102,950										
c. AUTHORIZATION NOT YET IN INVENTORY 9,020										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 1,400										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 1,150										
f. PLANNED IN NEXT THREE PROGRAM YEARS 36,700										
g. REMAINING DEFICIENCY 13,000										
h. GRAND TOTAL 164,220										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE				
812.30	ELECTR DIST LINES RELOC			23,500 LF	1,400	10/88 09/89				
	TOTAL				1,400					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
316.10	MSL TEST CEL ADDITION			LS	1,150					
	TOTAL				1,150					
B. MAJOR PLANNED NEXT THREE YEARS.										
152.10	AMMUNITION WHARF			LS	36,700					
10. MISSION OR MAJOR FUNCTIONS:										
Receives, transships, stores and issues explosive ordnance for the military services in Hawaii and the Pacific Ocean area.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A. POLLUTION ABATEMENT 0										
B. INSTALLATION RESTORATION 1,840										
C. OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										



1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> <b>MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL MAGAZINE, LUALUALEI, HAWAII</b>				4. PROJECT TITLE <b>ELECTRICAL DISTRIBUTION LINES RELOCATION</b>		
5. PROGRAM ELEMENT <b>0204996N</b>		6. CATEGORY CODE <b>812.30</b>	7. PROJECT NUMBER <b>P-117</b>		8. PROJECT COST (\$000) <b>1,400</b>	
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
ELECTRICAL DISTRIBUTION LINES RELOCATION . .		LF	23,500	54.00	1,270	
SUBTOTAL . . . . .		-	-	-	1,270	
CONTINGENCY (5%) . . . . .		-	-	-	60	
TOTAL CONTRACT COST. . . . .		-	-	-	1,330	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .		-	-	-	70	
TOTAL REQUEST. . . . .		-	-	-	1,400	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	- (NON-ADD)		( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Re-route overhead electrical distribution lines, poles, and underground service laterals.						
11. REQUIREMENT: <u>23,500</u> LF. ADEQUATE: <u>0</u> LF. SUBSTANDARD: ( <u>23,500</u> ) LF. PROJECT: Relocate electrical distribution lines. (Current mission.) REQUIREMENT: Naval Magazine Waikale Branch utilizes 120 tunnel magazines to store explosives. The naval ordnance manual requires that overhead electric power lines be located no closer than 50-feet to buildings containing explosives and pole spacing be such that no portion of lines can fall on explosive containing buildings in the event of a line break. Electrical service drops to magazines shall be underground for the last 50-feet. CURRENT SITUATION: The existing electrical distribution lines are overhead and strung over the magazines. The electrical service drops to the magazines are also overhead. An electrical line break can cause the line to fall on the magazine structure. The overhead service and the distribution line, because of its location, is in violation of safety code requirements. IMPACT IF NOT PROVIDED: Waiver to use tunnel magazines must continue to be maintained, and the hazards of the overhead electric power lines in the close vicinity will continue. The occurrence of an explosion is a constant threat to life and property.						
(Continued on DD 1391c)						

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL MAGAZINE, LUALUALEI, HAWAII			
4. PROJECT TITLE		5. PROJECT NUMBER	
ELECTRICAL DISTRIBUTION LINES RELOCATION		P-117	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... 10-88			
(b) Percent Complete as of January 1990..... 100			
(c) Date Design 35% Complete..... 3-89			
(d) Date Design Complete..... 9-89			
(2) Basis:			
(a) Standard or Definitive Design: Yes No X			
(b) Where Design Was Most Recently Used: N/A			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( 0 )			
(b) All Other Design Costs..... ( 75 )			
(c) Total..... 75			
(d) Contract..... ( 0 )			
(e) In-house..... ( 75 )			
(4) Construction start..... 2-91			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM						2. DATE		
3. INSTALLATION AND LOCATION COMMANDER OCEANOGRAPHIC SYSTEM PACIFIC, PEARL HARBOR, HAWAII				4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET			5. AREA CONSTR. COST INDEX 1.39			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
	a. AS OF 09/30/88	31	151	14	0	0	0	0	21	0
b. END FY 1994	35	153	14	0	0	0	0	21	0	223
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE . . . . . TENANT OF NS . . . . . 0										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 1,280										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 10,200										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 17,500										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 3,500										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 2,050										
g. REMAINING DEFICIENCY . . . . . 34,530										
h. GRAND TOTAL . . . . .										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
217.10	SURTASS SUPPORT CENTER				86,600 SF	10,200	11/88 01/90			
	TOTAL					10,200				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
151.50	PIER IMPROVEMENTS				LS	17,500				
	TOTAL					17,500				
B. MAJOR PLANNED NEXT THREE YEARS:										
137.10	BUILDING UPGRADE				LS	3,500				
10. MISSION OR MAJOR FUNCTIONS:										
Conducts oceanographic observations to provide extensive information on conditions in the Pacific Area.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT . . . . . 0										
B: INSTALLATION RESTORATION . . . . . 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): . . . . . 0										

1. COMPONENT <b>NAVY</b>		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>COMMANDER OCEANOGRAPHIC SYSTEM PACIFIC, PEARL HARBOR, HAWAII</b>			4. PROJECT TITLE <b>SURTASS SUPPORT CENTER</b>		
5. PROGRAM ELEMENT <b>0204311N</b>	6. CATEGORY CODE <b>217.10</b>	7. PROJECT NUMBER <b>P-417</b>	8. PROJECT COST (\$000) <b>10,200</b>		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
SURTASS SUPPORT CENTER . . . . .	SF	86,600	90.00	7,800	
SUPPORTING FACILITIES. . . . .	-	-	-	1,410	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 490)	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 290)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 170)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 460)	
SUBTOTAL . . . . .	-	-	-	9,210	
CONTINGENCY (5%) . . . . .	-	-	-	460	
TOTAL CONTRACT COST. . . . .	-	-	-	9,670	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	530	
TOTAL REQUEST. . . . .	-	-	-	10,200	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)	-	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Pre-engineered metal frame building, pile foundation, concrete floor, metal roofing and siding, fire protection system, security alarm system, ventilation and air conditioning, utilities, security fencing and lighting, storage tanks.					
11. REQUIREMENT: 86,600 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF. PROJECT: Constructs Surveillance Towed Array Sensor System (SURTASS) support center. (New mission.) REQUIREMENT: Adequate facilities to support the fourteen SURTASS ships deployed in the Pacific area by 1993. These ships require servicing through support facilities sufficient to house the maintenance equipment, repair shops, logistic supply storage, and administrative office space for 127 personnel. CURRENT SITUATION: The existing facility was originally sited, designed and constructed to support Pacific Ocean surveillance operations for a fleet of six mono-hulled T-AGOS class ships. The activity will not be able to support the berthing, maintenance and servicing of five SWATH class and nine larger T-AGOS class ships. IMPACT IF NOT PROVIDED: Adequate facilities will not be available to support and maintain the SURTASS Program. If the ships cannot be maintained the required operating tempo and level of ocean surveillance will not be met.					
(Continued on DD 1391c)					

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
COMMANDER OCEANOGRAPHIC SYSTEM PACIFIC, PEARL HARBOR, HAWAII			
4. PROJECT TITLE		5. PROJECT NUMBER	
SURTASS SUPPORT CENTER		P-417	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... 11-88			
(b) Percent Complete as of January 1990..... 100			
(c) Date Design 35% Complete..... 5-89			
(d) Date Design Complete..... 1-90			
(2) Basis:			
(a) Standard or Definitive Design: Yes No X			
(b) Where Design Was Most Recently Used: N/A			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( 515 )			
(b) All Other Design Costs..... ( 170 )			
(c) Total..... 685			
(d) Contract..... ( 40 )			
(e) In-house..... ( 645 )			
(4) Construction start..... 4-91			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION  NAVAL SUBMARINE BASE, PEARL HARBOR, HAWAII					4. COMMAND  COMMANDER IN CHIEF, PACIFIC FLEET			5. AREA CONSTR. COST INDEX  1.38			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88		430	4111	252	32	238	0	21	82	0	5166
b. END FY 1994		428	4145	252	47	324	0	21	82	0	5289
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 106 )											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 68,700											
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 24,060											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 2,000											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 74,550											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 84,330											
g. REMAINING DEFICIENCY . . . . . 33,420											
h. GRAND TOTAL . . . . . 287,060											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE				
812.30	ELEC DIST SYS IMPROVES				LS	2,000	10/88	09/89			
	TOTAL					2,000					
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
151.20	BERTHING PIER				33,000 SF	19,000					
151.20	PIER MODERNIZATION				LS	21,780					
213.30	SIMA				170,190 SF	32,400					
740.74	CHILD CARE CTR ADDITION				13,700 SF	950					
812.40	SECURITY LIGHTING				LS	420					
	TOTAL					74,550					
10. MISSION OR MAJOR FUNCTIONS:											
Maintain and operate shore facilities for training and experimental operations of the submarine forces; provide logistic support to submarines. Services the Commander, Submarine Forces, US Pacific Fleet and two submarine attack squadrons.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 0											
B: INSTALLATION RESTORATION 230											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT <b>NAVY</b>		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL SUBMARINE BASE, PEARL HARBOR, HAWAII</b>				4. PROJECT TITLE <b>ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS</b>		
5. PROGRAM ELEMENT <b>0204896N</b>		6. CATEGORY CODE <b>812.30</b>		7. PROJECT NUMBER <b>P-114</b>		8. PROJECT COST (\$000) <b>2,000</b>
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS.		LS	-	-	1,810	
DISTRIBUTION LINES . . . . .		LF	26,000	23.00	( 600)	
SUBSTATION . . . . .		KV	5,500	185.00	(1,020)	
SUBSTATION BUILDING. . . . .		SP	590	152.00	( 90)	
CABLE BOOM . . . . .		LS	-	-	( 100)	
SUBTOTAL . . . . .		-	-	-	1,810	
CONTINGENCY (5%) . . . . .		-	-	-	90	
TOTAL CONTRACT COST. . . . .		-	-	-	1,900	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .		-	-	-	100	
TOTAL REQUEST. . . . .		-	-	-	2,000	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	- (NON-ADD)		( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
12 KV electrical feeder lines, transformer substation additions and transformers, primary switchgear, secondary distribution switchboards, feeder lines, shorepower outlets, cable booms.						
11. REQUIREMENT: <u>As Required.</u>						
PROJECT: Upgrades shore power to berthing wharfs. (Current mission.)						
REQUIREMENT: Sufficient reliable electric power to support testing, repair and maintenance of modern submarines. More repair and intermediate maintenance work will be performed on submarines to extend overhaul intervals. The shore power system must be upgraded to ensure the readiness sustainability of the submarine fleet.						
CURRENT SITUATION: Submarine Berths S10, S11, and S21A are inadequate to service modern submarines. Berth S8 has sufficient capacity to support special testing, however, testing is limited to one submarine at a time. Scheduling of tests is dependent on the availability of berthing at S8 and is often delayed because several submarines may have to be moved and re-berthed. The lack of adequate shore power limits the amount of preparation and minor repair work which can be performed at the Berth.						
IMPACT IF NOT PROVIDED: The lack of adequate shore power will delay submarine testing, repair and maintenance schedules, impacting on maintenance efficiency and operational readiness of the fleet.						
(Continued on DD 1391c)						





1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, PEARL HARBOR, HAWAII				4. COMMAND NAVAL SUPPLY SYSTEMS COMMAND			5. AREA CONSTR. COST INDEX 1.35			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	20	12	614	0	0	13	8	4	42	713
b. END FY 1994	20	12	614	0	0	13	8	4	42	713
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 839 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 122,890										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 23,130										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 1,500										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 8,200										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 6,000										
g. REMAINING DEFICIENCY . . . . . 29,290										
h. GRAND TOTAL . . . . . 191,110										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE				
851.10	ROAD			LS	1,500	09/88    06/89				
	TOTAL				1,500					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
154.20	REPL SHEET PILE QUAYWALL			1,040 LF	8,200					
	TOTAL				8,200					
B. MAJOR PLANNED NEXT THREE YEARS:										
125.10	OIL SPILL PREVENTION			LS	6,000					
10. MISSION OR MAJOR FUNCTIONS:										
Provides a wide variety of supply and support services to Navy activities in the geographic area and provides supply, POL, and support services to Pacific Fleet units.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 6,000										
B: INSTALLATION RESTORATION 3,660										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT <b>NAVY</b>		FY 1991 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL SUPPLY CENTER, PEARL HARBOR, HAWAII</b>			4. PROJECT TITLE <b>ROAD</b>		
5. PROGRAM ELEMENT <b>0702R96N</b>	6. CATEGORY CODE <b>851.10</b>	7. PROJECT NUMBER <b>P-133</b>	8. PROJECT COST (\$000) <b>1,500</b>		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
ROAD . . . . .	LS	-	-	1,350	
PAVING . . . . .	SY	8,530	60.00	( 510)	
CLEARING AND GRADING . . . . .	LS	-	-	( 340)	
UTILITIES . . . . .	LS	-	-	( 240)	
SITE IMPROVEMENT . . . . .	LS	-	-	( 260)	
SUBTOTAL . . . . .	-	-	-	1,350	
CONTINGENCY (5%) . . . . .	-	-	-	70	
TOTAL CONTRACT COST. . . . .	-	-	-	1,420	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	80	
TOTAL REQUEST. . . . .	-	-	-	1,500	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Asphaltic concrete roadway, drainage, street lighting, water line relocation, sidewalk, and fencing.					
11. REQUIREMENT: <u>As Required.</u>					
PROJECT: Provides alternate on-base route to Navy facilities. (Current mission.)					
REQUIREMENT: Safe access to Navy housing, piers, wharves, and warehouses on the Pearl City Peninsula.					
CURRENT SITUATION: Lehua Avenue, the only access road on the Pearl City Peninsula, passes adjacent to the center's Pearl City Fuel Annex consisting of four fuel storage tanks that contain 460,000 barrels of volatile MOGAS and JP-4 and associated pumphouses and piping systems. The fuel annex facilities are located only 50-feet from Lehua Avenue and are subject to careless or accidental ignition sources. A fire or explosion at the fuel annex will seriously endanger vehicles and pedestrians on Lehua Avenue as well as disrupt fuel resupply to Hickam Air Force Base and other mid-Pacific bases. In October 1985 a fire did occur at one of the tanks, closing Lehua Avenue to traffic and pedestrian use. A nursery school across the street from the tank had to be evacuated. Although no one was injured, the need to provide an alternate peninsula access route away from fuel annex facilities became essential.					
(Continued on DD 1391c)					

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL SUPPLY CENTER, PEARL HARBOR, HAWAII			
4. PROJECT TITLE		5. PROJECT NUMBER	
ROAD		P-133	
<p>11. REQUIREMENT: (Continued)</p> <p><b>IMPACT IF NOT PROVIDED:</b> Potential careless and accidental sources of ignition will continue to pose a threat to the Pearl City Fuel Annex because of its proximity to Lehua Avenue and a resulting major explosion or fire would threaten the safety of anyone using Lehua Avenue, the only access to or from the Pearl City Peninsula.</p>			
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... 9-88</p> <p>(b) Percent Complete as of January 1990..... 100</p> <p>(c) Date Design 35% Complete..... 1-89</p> <p>(d) Date Design Complete..... 6-89</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes _____ No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( 50 )</p> <p>(b) All Other Design Costs..... ( 25 )</p> <p>(c) Total..... 75</p> <p>(d) Contract..... ( 25 )</p> <p>(e) In-house..... ( 50 )</p> <p>(4) Construction start..... 12-90</p> <p>(month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION  NAVY PUBLIC WORKS CENTER, PEARL HARBOR, HAWAII				4. COMMAND  NAVAL FACILITIES ENGINEERING COMMAND		5. AREA CONSTR. COST INDEX  1.39				
6. PERSONNEL STRENGTH	PERMANENT                      STUDENTS                      SUPPORTED									TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	13	0	1388	0	0	0	0	0	0	1372
b. END FY 1994	13	0	1233	0	0	0	0	0	0	1246
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 2.083 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 289,100										
c. AUTHORIZATION NOT YET IN INVENTORY 36,180										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 6,900										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 6,370										
f. PLANNED IN NEXT THREE PROGRAM YEARS 16,400										
g. REMAINING DEFICIENCY 53,850										
h. GRAND TOTAL 378,870										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE				
214.20	AUTO VEHICLE MAINT SHOP			43,200 SF	6,900	11/88	01/90			
	TOTAL				6,900					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
812.30	UTILITY SYSTEMS IMPROVS			LS	6,370					
	TOTAL				6,370					
B. MAJOR PLANNED NEXT THREE YEARS:										
218.20	PW SHOP FIRE PROTECTION			52,770 SF	500					
811.10	ELEC POWER I			LS	2,200					
812.30	ELEC DISTR SYSTEM IMPVS			3,900 EA	2,700					
831.10	SEWAGE SYSTEM IMPROVEMENTS			LS	4,000					
10. MISSION OR MAJOR FUNCTIONS:										
Provide public works, public utilities, housing, engineering services, shore facilities planning support, and all other public works logistics support incident thereto, required by the operating forces, dependent activities, and other commands located in the vicinity of the Pearl Harbor Naval Complex.										
Naval Shipyard				Naval Submarine Base						
Naval Air Station, Barbers Point				Naval Station						
Marine Barracks				Naval Supply Center						
Naval Magazine, Lualualei				Family Housing Areas						
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT				13,840						
B: INSTALLATION RESTORATION				10,180						
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):				1,100						

1. COMPONENT <b>NAVY</b>		2. DATE		
<b>FY 19 91 MILITARY CONSTRUCTION PROJECT DATA</b>				
3. INSTALLATION AND LOCATION <b>NAVY PUBLIC WORKS CENTER, PEARL HARBOR, HAWAII</b>			4. PROJECT TITLE <b>AUTOMOTIVE VEHICLE MAINTENANCE SHOP</b>	
5. PROGRAM ELEMENT <b>0702096N</b>	6. CATEGORY CODE <b>214.20</b>	7. PROJECT NUMBER <b>B-504</b>	8. PROJECT COST (\$000) <b>6,900</b>	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
AUTOMOTIVE VEHICLE MAINTENANCE SHOP. . . . .	SF	43,200	-	4,040
REPAIR AND MAINTENANCE SHOPS. . . . .	SF	26,400	78.00	(2,060)
MAINTENANCE STORAGE FACILITY. . . . .	SF	3,600	50.00	( 180)
VEHICLE AND EQUIPMENT HOLDING SHED. . . . .	SF	13,200	40.00	( 530)
BUILT-IN EQUIPMENT. . . . .	LS	-	-	(1,270)
SUPPORTING FACILITIES. . . . .	-	-	-	2,190
ELECTRICAL UTILITIES. . . . .	LS	-	-	( 370)
MECHANICAL UTILITIES. . . . .	LS	-	-	( 580)
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 860)
DEMOLITION. . . . .	LS	-	-	( 380)
SUBTOTAL. . . . .	-	-	-	6,230
CONTINGENCY (5%). . . . .	-	-	-	310
TOTAL CONTRACT COST. . . . .	-	-	-	6,540
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .	-	-	-	360
TOTAL REQUEST. . . . .	-	-	-	6,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
<p>Three one-story high-bay steel frame metal buildings, concrete foundations and floors, weight handling equipment, hydraulic lifts, exhaust system, compressed air system, paint spray booth, wash rack, lubrication system, fire protection system, air conditioning, utilities; demolition of six buildings.</p>				
<p>11. REQUIREMENT: <u>43,200</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>0</u> SF.  <b>PROJECT:</b> Constructs automotive vehicle and construction and weight handling equipment maintenance shops, public works maintenance storage, supporting administrative space, vehicle and equipment holding shed.          (Current mission.)  <b>REQUIREMENT:</b> Adequate and properly-configured transportation maintenance facilities for efficient work areas, inspection, maintenance and repair of all transportation, construction and weight handling equipment assigned to the Pearl Harbor Naval Base.  <b>CURRENT SITUATION:</b> The transportation maintenance division is current / housed in six wood-frame buildings constructed during World War II. These buildings are functionally inadequate because of age, improper layout, and the lack of modern equipment and fire deterrent systems. All of the buildings are badly deteriorated and termite damaged. The automotive service shop is undersized and lacks necessary hydraulic lifts, underground exhaust systems, overhead bridge cranes to handle the heavier construction equipment items, and other modern built-in equipment.          (Continued on DD 1391c)</p>				

1. COMPONENT	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																						
3. INSTALLATION AND LOCATION																								
NAVY PUBLIC WORKS CENTER, PEARL HARBOR, HAWAII																								
4. PROJECT TITLE	5. PROJECT NUMBER																							
AUTOMOTIVE VEHICLE MAINTENANCE SHOP	P-504																							
<p>11. REQUIREMENT: (Continued)</p> <p><u>CURRENT SITUATION:</u> (Continued)</p> <p>There is no separate area for the construction and weight handling equipment shop or holding shed.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Productivity of the transportation department will continue to be restricted by inadequate facilities and lack of built-in equipment resulting in higher costs and less than optimum service to the fleet and supported customers in Pearl Harbor.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <table style="margin-left: 20px;"> <tr><td>(a) Date Design Started.....</td><td><u>11-88</u></td></tr> <tr><td>(b) Percent Complete as of January 1990.....</td><td><u>100</u></td></tr> <tr><td>(c) Date Design 35% Complete.....</td><td><u>5-89</u></td></tr> <tr><td>(d) Date Design Complete.....</td><td><u>1-90</u></td></tr> </table> <p>(2) Basis:</p> <table style="margin-left: 20px;"> <tr><td>(a) Standard or Definitive Design:</td><td>Yes <u>    </u> No <u>X</u></td></tr> <tr><td>(b) Where Design Was Most Recently Used:</td><td><u>N/A</u></td></tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="margin-left: 20px;"> <tr><td>(a) Production of Plans and Specifications.....</td><td><u>( 370 )</u></td></tr> <tr><td>(b) All Other Design Costs.....</td><td><u>( 280 )</u></td></tr> <tr><td>(c) Total.....</td><td><u>650</u></td></tr> <tr><td>(d) Contract.....</td><td><u>( 600 )</u></td></tr> <tr><td>(e) In-house.....</td><td><u>( 50 )</u></td></tr> </table> <p>(4) Construction start..... <u>2-91</u></p> <p style="text-align: right;">(month and year)</p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>			(a) Date Design Started.....	<u>11-88</u>	(b) Percent Complete as of January 1990.....	<u>100</u>	(c) Date Design 35% Complete.....	<u>5-89</u>	(d) Date Design Complete.....	<u>1-90</u>	(a) Standard or Definitive Design:	Yes <u>    </u> No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	<u>( 370 )</u>	(b) All Other Design Costs.....	<u>( 280 )</u>	(c) Total.....	<u>650</u>	(d) Contract.....	<u>( 600 )</u>	(e) In-house.....	<u>( 50 )</u>
(a) Date Design Started.....	<u>11-88</u>																							
(b) Percent Complete as of January 1990.....	<u>100</u>																							
(c) Date Design 35% Complete.....	<u>5-89</u>																							
(d) Date Design Complete.....	<u>1-90</u>																							
(a) Standard or Definitive Design:	Yes <u>    </u> No <u>X</u>																							
(b) Where Design Was Most Recently Used:	<u>N/A</u>																							
(a) Production of Plans and Specifications.....	<u>( 370 )</u>																							
(b) All Other Design Costs.....	<u>( 280 )</u>																							
(c) Total.....	<u>650</u>																							
(d) Contract.....	<u>( 600 )</u>																							
(e) In-house.....	<u>( 50 )</u>																							

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION  NAVAL TRAINING CENTER, GREAT LAKES, ILLINOIS					4. COMMAND  CHIEF OF NAVAL EDUCATION AND TRAINING			5. AREA CONSTR. COST INDEX  1.06			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88		259	3173	2116	31	8718	0	0	270	0	14567
b. END FY 1994		220	3272	2115	30	8729	0	0	269	0	14635
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 1,012)											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 187,640											
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 21,650											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 2,800											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 4,750											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 36,000											
g. REMAINING DEFICIENCY . . . . . 103,890											
h. GRAND TOTAL . . . . . 356,730											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS START COMPLETE	
171.20		FIREMAN APPRENTICE TRG SCH				18,000 SF		2,800		11/88 01/90	
		TOTAL						2,800			
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
722.10		MESS HALL MODERNIZATION				104,200 SF		4,750			
		TOTAL						4,750			
B. MAJOR PLANNED NEXT THREE YEARS:											
171.35		DIESEL/GAS TURBINE SCH				23,900 SF		3,400			
171.60		RECT PROCESSING BLDG				76,510 SF		9,800			
730.10		FIRE STATION				7,300 SF		1,100			
730.15		BRIG				31,540 SF		5,350			
10. MISSION OR MAJOR FUNCTIONS:											
Provide basic indoctrination (recruit training) for enlisted personnel; primary, advanced, and specialized training for officer and enlisted personnel.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT		0									
B: INSTALLATION RESTORATION		5,680									
C: OCCUPATIONAL SAFETY AND HEALTH (OSH)		0									

1. COMPONENT <b>NAVY</b>		2. DATE		
3. INSTALLATION AND LOCATION <b>NAVAL TRAINING CENTER, GREAT LAKES, ILLINOIS</b>		4. PROJECT TITLE <b>FIREMAN APPRENTICE TRAINING SCHOOL</b>		
5. PROGRAM ELEMENT <b>0805796N</b>	6. CATEGORY CODE <b>171.20</b>	7. PROJECT NUMBER <b>P-471</b>	8. PROJECT COST (\$000) <b>2,800</b>	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
FIREMAN APPRENTICE TRAINING SCHOOL . . . . .	SF	18,000	111.00	2,000
SUPPORTING FACILITIES. . . . .	-	-	-	520
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 150)
MECHANICAL UTILITIES . . . . .	LS	-	-	( 200)
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 80)
DEMOLITION . . . . .	LS	-	-	( 90)
SUBTOTAL . . . . .	-	-	-	2,520
CONTINGENCY (5%) . . . . .	-	-	-	130
TOTAL CONTRACT COST. . . . .	-	-	-	2,650
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	150
TOTAL REQUEST. . . . .	-	-	-	2,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
Two-story steel frame building, masonry walls, concrete foundation and floors, built-up roofing on metal roof deck, fire protection sprinkler system, utilities, air conditioning; demolition of one building.				
11. REQUIREMENT: <u>18,000</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>0</u> SF. PROJECT: Provides an instruction building. (Current mission.) REQUIREMENT: Adequate facilities for the fireman apprentice training program. CURRENT SITUATION: The existing facility is a one-story wood frame building constructed 45 years ago as an armory, and was not intended to function as a vocational school. It is presently being used both as a fireman and seaman school. IMPACT IF NOT PROVIDED: Fireman training will continue to be taught in a deteriorated building not designed for training purposes. The quality of instruction will suffer, adversely affecting the ability of the firemen to adequately support fleet activities.				
(Continued on DD 1391c)				



1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE																						
3. INSTALLATION AND LOCATION <b>NAVAL TRAINING CENTER, GREAT LAKES, ILLINOIS</b>																								
4. PROJECT TITLE <b>FIREMAN APPRENTICE TRAINING SCHOOL</b>	5. PROJECT NUMBER <b>P-471</b>																							
<p><b>12. SUPPLEMENTAL DATA:</b></p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <table style="margin-left: 20px;"> <tr><td>(a) Date Design Started.....</td><td style="text-align: right;"><u>11-88</u></td></tr> <tr><td>(b) Percent Complete as of January 1990.....</td><td style="text-align: right;"><u>100</u></td></tr> <tr><td>(c) Date Design 35% Complete.....</td><td style="text-align: right;"><u>5-89</u></td></tr> <tr><td>(d) Date Design Complete.....</td><td style="text-align: right;"><u>1-90</u></td></tr> </table> <p>(2) Basis:</p> <table style="margin-left: 20px;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;"><u>N/A</u></td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="margin-left: 20px;"> <tr><td>(a) Production of Plans and Specifications.....</td><td style="text-align: right;">(<u>140</u>)</td></tr> <tr><td>(b) All Other Design Costs.....</td><td style="text-align: right;">(<u>50</u>)</td></tr> <tr><td>(c) Total.....</td><td style="text-align: right;"><u>190</u></td></tr> <tr><td>(d) Contract.....</td><td style="text-align: right;">(<u>165</u>)</td></tr> <tr><td>(e) In-house.....</td><td style="text-align: right;">(<u>25</u>)</td></tr> </table> <p>(4) Construction start..... <u>12-90</u> (month and year)</p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: <b>None.</b></p> </div>			(a) Date Design Started.....	<u>11-88</u>	(b) Percent Complete as of January 1990.....	<u>100</u>	(c) Date Design 35% Complete.....	<u>5-89</u>	(d) Date Design Complete.....	<u>1-90</u>	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( <u>140</u> )	(b) All Other Design Costs.....	( <u>50</u> )	(c) Total.....	<u>190</u>	(d) Contract.....	( <u>165</u> )	(e) In-house.....	( <u>25</u> )
(a) Date Design Started.....	<u>11-88</u>																							
(b) Percent Complete as of January 1990.....	<u>100</u>																							
(c) Date Design 35% Complete.....	<u>5-89</u>																							
(d) Date Design Complete.....	<u>1-90</u>																							
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	<u>N/A</u>																							
(a) Production of Plans and Specifications.....	( <u>140</u> )																							
(b) All Other Design Costs.....	( <u>50</u> )																							
(c) Total.....	<u>190</u>																							
(d) Contract.....	( <u>165</u> )																							
(e) In-house.....	( <u>25</u> )																							

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, GREAT LAKES, ILLINOIS					4. COMMAND NAVAL FACILITIES ENGINEERING COMMAND			5. AREA CONSTR. COST INDEX 1.06		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	11	0	630	0	0	0	0	0	0	641
b. END FY 1994	13	6	596	0	0	0	0	0	0	615
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 588 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 88,830										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 1,930										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 1,800										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 8,850										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 4,800										
g. REMAINING DEFICIENCY . . . . . 49,770										
h. GRAND TOTAL . . . . . 155,980										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
812.30	ELECT DISTR SYSTEM IMPROVS				LS	1,100	08/88	06/89		
871.10	STORM SEWER SYSTEM IMPRVIS				LS	700	09/88	06/89		
	TOTAL					1,800				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
143.11	VEHICLE MAINT FAC				68,130 SF	3,150				
832.10	SANITARY SEWER SYS IMPROVS				750 MG	5,700				
	TOTAL					8,850				
B. MAJOR PLANNED NEXT THREE YEARS:										
610.10	FACILITY MAINT CENTER				41,500 SF	3,500				
812.30	ELECT DISTR SYSTEM IMPRVIS				7,000 SF	1,300				
10. MISSION OR MAJOR FUNCTIONS:										
Provide public works, public utilities, public housing, transportation support, engineering services, shore facilities planning support and all other logistic support of a public works nature incident thereto, required by the operating forces, dependent activities, and other commands served by the center, including the Naval Training Center, Naval Regional Medical Center, Military Enlistment and Procurement Command, Headquarters, and Department of Defense Housing.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 6,250										
B: INSTALLATION RESTORATION 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT <b>NAVY</b>	<b>FY 1991 MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE
3. INSTALLATION AND LOCATION <b>NAVY PUBLIC WORKS CENTER, GREAT LAKES, ILLINOIS</b>			4. PROJECT TITLE <b>ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS</b>	
5. PROGRAM ELEMENT <b>0702096N</b>	6. CATEGORY CODE <b>812.30</b>	7. PROJECT NUMBER <b>P-538</b>	8. PROJECT COST (\$000) <b>1.100</b>	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ELECTRICAL DISTRIBUTION SYSTEM IMPROVEMENTS.	LS	-	-	990
SUBTOTAL . . . . .	-	-	-	990
CONTINGENCY (5%) . . . . .	-	-	-	50
TOTAL CONTRACT COST. . . . .	-	-	-	1,040
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	60
TOTAL REQUEST. . . . .	-	-	-	1,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
Separation of high and low voltage cables, concrete manholes, fiber ducts in concrete envelope, direct burial conduit.				
11. REQUIREMENT: <u>As Required.</u>				
PROJECT: Provides a network of concrete manholes connected by fiber ducts in concrete conduits. (Current mission.)				
REQUIREMENT: Separation of high and low voltage electric power cables to correct code violations. Portions of the electrical distribution system are in violation of the National Electric Code and the Institute of Electrical and Electronics Engineers Standards.				
CURRENT SITUATION: Some low voltage cables such as telephone, TV, fire alarm, street lighting, and secondary feeders are in the same manholes as the medium voltage cables. This code violation presents a safety hazard for maintenance personnel entering the manholes, and presents a potential problem of medium voltage feedback through the low voltage cables.				
IMPACT IF NOT PROVIDED: Continual safety hazards and code violations.				
(Continued on DD 1391c)				



1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM						2. DATE			
3. INSTALLATION AND LOCATION NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA				4. COMMAND NAVAL SEA SYSTEMS COMMAND			5. AREA CONSTR. COST INDEX 1.12				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88		28	179	4390	0	0	0	0	0	0	4597
b. END FY 1994		28	183	4400	0	0	0	0	0	0	4611
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 62,509)											
b. INVENTORY TOTAL AS OF 30 SEP 88 136,400											
c. AUTHORIZATION NOT YET IN INVENTORY 15,190											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 8,900											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 550											
f. PLANNED IN NEXT THREE PROGRAM YEARS 22,700											
g. REMAINING DEFICIENCY 1,590											
h. GRAND TOTAL 185,330											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS START COMPLETE	
217.10		ELEC COMM MAINT SHOP				25,000 SF		4,000		02/89 08/90	
441.10		MECHANIZED MTRLS MGMT FAC				80,000 SF		4,900		02/89 10/90	
		TOTAL						8,900			
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
219.10		PEST CONTROL SHOP				5,000 SF		550			
		TOTAL						550			
B. MAJOR PLANNED NEXT THREE YEARS:											
212.30		MISSILE MAINTENANCE FAC				LS		2,200			
310.33		MICROWAVE COMPONENTS				LS		5,900			
216.60		QUALITY EVALUATION LAB				2,930 SF		1,500			
217.10		ELEC/COMM TEST FAC				32,500 SF		4,400			
10. MISSION OR MAJOR FUNCTIONS:											
Provide material, technical and logistics support for ships and equipment, shipboard weapons systems and assigned expendable and nonexpendable ordnance items, including small arms, fire control, anti-submarine warfare, pyrotechnics, electronic warfare, fleet ballistic missile systems, electronic components such as batteries, microwave tubes, missile components, and rotating components (gyros), conventional ammunition, gun systems, and missiles.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT		0									
B: INSTALLATION RESTORATION		57,730									
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):		550									

1. COMPONENT <b>NAVY</b>		2. DATE	
FY 19 91 MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION <b>NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA</b>		4. PROJECT TITLE <b>ELECTRONICS COMMUNICATION MAINTENANCE SHOP</b>	
5. PROGRAM ELEMENT <b>0702096N</b>	6. CATEGORY CODE <b>217.10</b>	7. PROJECT NUMBER <b>P-224</b>	8. PROJECT COST (\$000) <b>4.000</b>
<b>9. COST ESTIMATES</b>			
ITEM	U/M	QUANTITY	UNIT COST
ELECTRONICS COMMUNICATION MAINTENANCE SHOP .	SF	25,000	-
BUILDING . . . . .	SF	25,000	79.00
BUILT-IN EQUIPMENT . . . . .	LS	-	-
SUPPORTING FACILITIES. . . . .	-	-	-
UTILITIES. . . . .	LS	-	-
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-
SUBTOTAL . . . . .	-	-	-
CONTINGENCY (5%) . . . . .	-	-	-
TOTAL CONTRACT COST. . . . .	-	-	-
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-
TOTAL REQUEST. . . . .	-	-	-
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD) ( 0)
<p>10. DESCRIPTION OF PROPOSED CONSTRUCTION</p> <p>One-story masonry building, concrete floor and foundation, single-ply roof with composite decking, concrete spill containment berms, plating waste collection and treatment system; fire protection system, ventilation, utilities.</p> <p>11. REQUIREMENT: 25,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.  <u>PROJECT:</u> Constructs an electronic components finishing facility. Functional areas include sandblasting cells, paint booths, zinc, cadmium, stainless steel passivation, anodizing, and conversion coating process lines, surface preparation, post-treatment machining, drying room, temporary storage, waste treatment equipment control, and monitoring room. (Current mission.)  <u>REQUIREMENT:</u> Adequate and properly-configured facility for periodically checking, overhauling and subsequent return to the fleet of electronic components for various weapon and guidance systems. Electronic items are tested, inspected, and disassembled; component surfaces are sandblasted, degreased, or cleaned in solvent; and then plated, painted, or finish coated as required. The primary program which this facility will support is the AN/ALQ-99 electronic countermeasures weapons system. The refurbishment of the system is in direct support of the EA-6B program. The EA-6B carrier-based aircraft is the primary tactical jamming aircraft for the Navy and the Marine Corps. Its' mission is to provide electronic cover for fighter and bomber squadrons operating in hostile environments. The  (Continued on DD 1391c)</p>			

1. COMPONENT		2. DATE									
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA									
3. INSTALLATION AND LOCATION											
NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA											
4. PROJECT TITLE		5. PROJECT NUMBER									
ELECTRONICS COMMUNICATION MAINTENANCE SHOP		P-224									
<p>11. REQUIREMENT: (Continued)</p> <p>AN/ALQ-99 is the heart of the electronic countermeasures system of the aircraft and provides active jamming against threats such as early warning systems, tracking radars, search and surveillance radars, fire control systems, and missile guidance systems. Because of the adverse marine environment in which these electronic systems are exposed, the transmitters, exciters, receivers, jammers, and other electronic components must undergo a rigorous corrosion control and refurbishment program at the station. The proposed facility is vital to the final phases of preparing the electronic items for fleet return or production suitability. This project will allow consolidation, upgrading and expansion of inadequate painting, coating and corrosion control facilities now in use.</p> <p><u>CURRENT SITUATION:</u> The number of electronic component line items produced annually by the activity will increase from 6,400 units currently to over 10,000 units by the early 1990's. This does not include the refurbishment effort of the hardback pods which house the electronic components and are mounted on the EA-6B wings. This refurbishment effort has doubled in recent years because of the procurement of new EA-6B aircraft. The EA-6B aircraft contain a minimum of three AN/ALQ-99 hardback pods which cost \$1.2 million each. The present space will not be capable of handling the plating, painting and surface preparation processes required to support the growing work load.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The activity will be unable to satisfy projected fleet demands for electronic items that are vital components in Navy weapons systems. Without corrosion control, the fleet's limited electronic component assets will deteriorate quickly in a marine environment making them less reliable with shorter life expectancy and more costly to maintain.</p> <p><u>ADDITIONAL:</u> Savings generated by this facility will result in an economic payback of less than one year.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started.....</td> <td>2-89</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>40</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>10-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>8-90</td> </tr> </table> <p>(Continued on DD 1391c)</p>				(a) Date Design Started.....	2-89	(b) Percent Complete as of January 1990.....	40	(c) Date Design 35% Complete.....	10-89	(d) Date Design Complete.....	8-90
(a) Date Design Started.....	2-89										
(b) Percent Complete as of January 1990.....	40										
(c) Date Design 35% Complete.....	10-89										
(d) Date Design Complete.....	8-90										

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA			
4. PROJECT TITLE		5. PROJECT NUMBER	
ELECTRONICS COMMUNICATION MAINTENANCE SHOP		P-224	
12. SUPPLEMENTAL DATA: (Continued)			
(2) Basis:			
(a) Standard or Definitive Design:		Yes _____ No <u>X</u>	
(b) Where Design Was Most Recently Used:		<u>N/A</u>	
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications.....		<u>195</u>	
(b) All Other Design Costs.....		<u>85</u>	
(c) Total.....		<u>280</u>	
(d) Contract.....		<u>240</u>	
(e) In-house.....		<u>40</u>	
(4) Construction start.....		<u>12-90</u>	
		(month and year)	
b. Equipment associated with this project which will be provided from other appropriations: None.			



1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA</b>				4. PROJECT TITLE <b>MECHANIZED MATERIALS MANAGEMENT FACILITY</b>		
5. PROGRAM ELEMENT <b>0702096N</b>		6. CATEGORY CODE <b>411.10</b>		7. PROJECT NUMBER <b>P-244</b>		8. PROJECT COST (\$000) <b>4,900</b>
<b>9. COST ESTIMATES</b>						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
MECHANIZED MATERIALS MANAGEMENT FACILITY . .	SF	80,000	-	3,250		
GENERAL WAREHOUSE. . . . .	SF	80,000	20.00	(1,600)		
BUILT-IN EQUIPMENT . . . . .	LS	-	-	(1,650)		
SUPPORTING FACILITIES. . . . .	-	-	-	1,170		
UTILITIES. . . . .	LS	-	-	( 210)		
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 770)		
DEMOLITION. . . . .	LS	-	-	( 190)		
SUBTOTAL . . . . .	-	-	-	4,420		
CONTINGENCY (5%) . . . . .	-	-	-	220		
TOTAL CONTRACT COST. . . . .	-	-	-	4,640		
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	260		
TOTAL REQUEST. . . . .	-	-	-	4,900		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>  Convert high-bay reinforced concrete warehouse to multi-level mechanized warehouse, provide reinforced concrete second floor, loading docks, paving, mechanical room; sprinkler fire protection system, fire pumps and suction tank, ventilation, utilities; demolition of 27 structures.						
<b>11. REQUIREMENT: 80,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.</b> <b>PROJECT:</b> Converts warehouse to an automated materials management facility. Functional areas include high-rise/high density mechanized warehouse; loading and staging, shipping and receiving, preservation and packaging areas. (Current mission.) <b>REQUIREMENT:</b> Adequate and properly-configured warehouse facilities for the receipt, issue, tracking, preservation, packaging, storage and shipping of advanced electronic components. These components will include AEGIS microwave tubes, electronic countermeasure systems, and electrochemical power systems such as lithium batteries. High demand items are received at a central supply building by commercial carrier and unloaded. These items are consolidated, repackaged and transferred to Weapons Center operational sites where they are tested and certified as acceptable then returned to the central supply system and made ready for distribution to the Fleet. Over 3,000 deliveries are made monthly to various on-base operational sites. These deliveries travel as far as 6.5 miles to the operational						

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA			
4. PROJECT TITLE MECHANIZED MATERIALS MANAGEMENT FACILITY		5. PROJECT NUMBER P-244	
<p>11. REQUIREMENT: (Continued)  sites. Deliveries result in over 10,000 miles per month of on-base transfers. About 85% of these deliveries are within a mile of the central supply warehouse. A new centralized automated materials management facility will reduce distance traveled by 27% and eliminate multi-handling of material. This will lead to improved productivity and reduce the number of items damaged in shipment.</p> <p><u>CURRENT SITUATION:</u> All inert materials are received and shipped from the activity's central supply building which was constructed in 1943. This building is not structurally capable of accommodating automated materials handling equipment. Materials handling systems are needed to process the ever increasing numbers of electronic items now used in a modern Navy. For example, the number of AEGIS microwave tubes handled by Crane is expected to grow from the 4,600 processed in 1987 to 10,000 in 1996, supporting the increased number of AEGIS ships. Efficiency improvements from automation will permit accomplishment of the increasing workload and allow eventual attrition of 12 persons for a cost savings of \$376,000 annually. Reliance on the present manual procedure for material movement and inventory control is time consuming and does not provide the means for rapidly making high-priority issues of essential electronic items and components.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Continuation of labor intensive supply operations in an era of declining personnel resources will result in further constrained responsiveness to fleet requirements. Present manual procedures for material movement and inventory control will continue to be performed in a less cost-effective manner.</p> <p><u>ADDITIONAL:</u> An economic analysis indicates that the proposed project will generate savings that will result in a payback of less than one year. This amount results from improved operational efficiency, reduced personnel downtime, improved office efficiency, personnel reduction, transportation reduction, and reduced inventory damage. Economic analysis also indicates that conversion of an existing facility is more cost effective than constructing a new facility.</p>			
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... 2-89</p> <p>(b) Percent Complete as of January 1990..... 35</p>			
(Continued on DD 1391c)			

1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
3. INSTALLATION AND LOCATION <b>NAVAL WEAPONS SUPPORT CENTER, CRANE, INDIANA</b>		
4. PROJECT TITLE <b>MECHANIZED MATERIALS MANAGEMENT FACILITY</b>	5. PROJECT NUMBER <b>P-244</b>	
<p>12. SUPPLEMENTAL DATA: (Continued)</p> <p style="margin-left: 40px;">(c) Date Design 35% Complete..... <u>11-89</u></p> <p style="margin-left: 40px;">(d) Date Design Complete..... <u>10-90</u></p> <p style="margin-left: 20px;">(2) Basis:</p> <p style="margin-left: 40px;">(a) Standard or Definitive Design:      Yes <u>      </u> No <u>  X  </u></p> <p style="margin-left: 40px;">(b) Where Design Was Most Recently Used:      <u>  N/A  </u></p> <p style="margin-left: 20px;">(3) Total cost (c) = (a) + (b) or (d) + (e):      (\$000)</p> <p style="margin-left: 40px;">(a) Production of Plans and Specifications..... ( <u>  260  </u> )</p> <p style="margin-left: 40px;">(b) All Other Design Costs..... ( <u>    70  </u> )</p> <p style="margin-left: 40px;">(c) Total..... <u>  330  </u></p> <p style="margin-left: 40px;">(d) Contract..... ( <u>  300  </u> )</p> <p style="margin-left: 40px;">(e) In-house..... ( <u>    30  </u> )</p> <p style="margin-left: 20px;">(4) Construction start..... <u>  1-91  </u></p> <p style="margin-left: 100px;">(month and year)</p> <p style="margin-left: 20px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION NAVAL ORDNANCE STATION, LOUISVILLE, KENTUCKY					4. COMMAND NAVAL SEA SYSTEMS COMMAND			5. AREA CONSTR. COST INDEX 0.95		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	8	5	2355	0	0	0	0	0	0	2368
b. END FY 1994	8	5	2355	0	0	0	0	0	0	2368
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 152 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 24,450										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 31,740										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 5,400										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0										
g. REMAINING DEFICIENCY . . . . . 4,200										
h. GRAND TOTAL . . . . . 65,790										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE					SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE		
215.20	PHALANX SHOP MODERNIZATION					235,160 SF	5,400	05/89	06/90	
	TOTAL						5,400			
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS: NONE										
10. MISSION OR MAJOR FUNCTIONS:										
Designs, develops, produces, modifies and overhauls intermediate caliber guns, gun barrels, gun mounts, missile motor metal parts, components, spare parts, tools and accessories. The station provides engineering assistance to installing activities and fores afloat. Production engineering is developed and maintained in assigned areas.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 430										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL ORDNANCE STATION, LOUISVILLE, KENTUCKY			4. PROJECT TITLE PHALANX SHOP MODERNIZATION		
5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 215.20	7. PROJECT NUMBER P-215	8. PROJECT COST (\$000) 5,400		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PHALANX SHOP MODERNIZATION . . . . .	SF	235,160	-	4,880	
BUILDING MODERNIZATION . . . . .	SF	235,160	16.00	(3,690)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 810)	
UTILITIES UPGRADE. . . . .	LS	-	-	( 130)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 80)	
DEMOLITION . . . . .	LS	-	-	( 170)	
SUBTOTAL . . . . .	-	-	-	4,880	
CONTINGENCY (5%) . . . . .	-	-	-	240	
TOTAL CONTRACT COST. . . . .	-	-	-	5,120	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	280	
TOTAL REQUEST. . . . .	-	-	-	5,400	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION Modify building interior to accommodate additional production support and work areas; renovate and upgrade heating, ventilation, and air conditioning system, insulation, fire protection system; demolition of obsolete facilities.					
11. REQUIREMENT: 235,160 SF. ADEQUATE: 0 SF. SUBSTANDARD: (235,160) SF. PROJECT: Modernizes, upgrades, and internally expands facilities to support the Mark 15 PHALANX weapon system overhaul effort. (Current mission.) REQUIREMENT: Adequate and properly-configured facilities to support and accommodate an increasing workload and PHALANX weapon system design change. The PHALANX is the Navy's first all-weather automatic controlled gun system providing quick reaction and automatic defense against close-in air and surface sea-skimming cruise missile threats which penetrate the outer defense system. CURRENT SITUATION: Present facilities are inadequate in configuration, production and engineering support, modern equipment, and utilities. IMPACT IF NOT PROVIDED: Production will continue to be hampered. PHALANX program will continue to operate inefficiently, which ultimately will cause delays in scheduled deliveries to the fleet.					

(Continued on DD 1391c)

1. COMPONENT NAV1	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																										
3. INSTALLATION AND LOCATION NAVAL ORDNANCE STATION, LOUISVILLE, KENTUCKY																												
4. PROJECT TITLE PHALANX SHOP MODERNIZATION		5. PROJECT NUMBER P-215																										
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table> <tr> <td>(a) Date Design Started.....</td> <td>5-89</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>50</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>11-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>6-90</td> </tr> </table> <p>(2) Basis:</p> <table> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes</td> <td>No</td> <td>X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>300</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>150</td> </tr> <tr> <td>(c) Total.....</td> <td>450</td> </tr> <tr> <td>(d) Contract.....</td> <td>400</td> </tr> <tr> <td>(e) In-house.....</td> <td>50</td> </tr> </table> <p>(4) Construction start..... 1-91 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Date Design Started.....	5-89	(b) Percent Complete as of January 1990.....	50	(c) Date Design 35% Complete.....	11-89	(d) Date Design Complete.....	6-90	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A			(a) Production of Plans and Specifications.....	300	(b) All Other Design Costs.....	150	(c) Total.....	450	(d) Contract.....	400	(e) In-house.....	50
(a) Date Design Started.....	5-89																											
(b) Percent Complete as of January 1990.....	50																											
(c) Date Design 35% Complete.....	11-89																											
(d) Date Design Complete.....	6-90																											
(a) Standard or Definitive Design:	Yes	No	X																									
(b) Where Design Was Most Recently Used:	N/A																											
(a) Production of Plans and Specifications.....	300																											
(b) All Other Design Costs.....	150																											
(c) Total.....	450																											
(d) Contract.....	400																											
(e) In-house.....	50																											

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION  PORTSMOUTH NAVAL SHIPYARD, KITTEERY, MAINE			4. COMMAND  NAVAL SEA SYSTEMS COMMAND			5. AREA CONSTR. COST INDEX  1.08				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	74	197	9737	0	10	0	118	1000	0	11136
b. END FY 1994	74	197	9737	0	10	0	118	1000	0	11136
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 297 )										
b. INVENTORY TOTAL AS OF 30 SEP 88							143.130			
c. AUTHORIZATION NOT YET IN INVENTORY							23.170			
d. AUTHORIZATION REQUESTED IN THIS PROGRAM							30.500			
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM							3.830			
f. PLANNED IN NEXT THREE PROGRAM YEARS							21.300			
g. REMAINING DEFICIENCY							343.220			
h. GRAND TOTAL							565.150			
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS			
							START	COMPLETE		
213.10	DRY DOCK MODERN & COVER-1				124,360 SF	30,500	01/89	09/90		
	TOTAL					30,500				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
451.10	YARD LANDFILL CLEANUP				LS	3,830				
	TOTAL					3,830				
B. MAJOR PLANNED NEXT THREE YEARS:										
890.46	PIER UTILITY UPGRADE				LS	21,300				
10. MISSION OR MAJOR FUNCTIONS:										
Maintenance and overhaul of modern attack and Fleet Ballistic Missile submarines. Logistic support provided includes conversion, overhaul, repair, alterations, and drydocking of submarines. Support is also provided for submarine warfare weapon systems. The yard integrates requirements and manages the planning and engineering effort for overhauls of complex submarines.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT						0				
B: INSTALLATION RESTORATION						7,500				
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):						0				

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE			4. PROJECT TITLE DRY DOCK MODERNIZATION AND COVER (INCREMENT I)			
5. PROGRAM ELEMENT 0702228N		6. CATEGORY CODE 213.10	7. PROJECT NUMBER P-228		8. PROJECT COST (\$000) 30,500	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
DRY DOCK MODERNIZATION AND COVER . . . . .		SF	124,360	-	19,880	
FIXED COVER PORTION. . . . .		SF	73,920	150.00	(11,090)	
MOVABLE COVER PORTION. . . . .		SF	50,440	170.00	( 8,570)	
DECK CLOSURE-DOCK HEAD END . . . . .		LS	-	-	( 220)	
SUPPORTING FACILITIES. . . . .		-	-	-	7,650	
SPECIAL CONSTRUCTION FEATURES. . . . .		LS	-	-	( 1,760)	
UTILITIES. . . . .		LS	-	-	( 2,340)	
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	(3,550)	
SUBTOTAL . . . . .		-	-	-	27,530	
CONTINGENCY (5%) . . . . .		-	-	-	1,380	
TOTAL CONTRACT COST. . . . .		-	-	-	28,910	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .		-	-	-	1,590	
TOTAL REQUEST. . . . .		-	-	-	30,500	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	(13,770)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Reinforced concrete footings and foundation walls, steel-frame with insulated translucent and metal wall and roof panels, windows and access doors; cranes; operable cover portion designed to roll-open on gantry cranes and be stored under the fixed cover; fire protection system, ventilation, utilities; canopy door at caisson end.						
11. REQUIREMENT: 214,030 SF. ADEQUATE: 89,670 SF. SUBSTANDARD: 0 SF. PROJECT: Constructs the first of two increments for a weather protection covering and associated utility upgrades at Dry Dock 2 dedicated for overhauls and repairs of SSN 688 and SSN 21 class submarines. (New mission.) REQUIREMENT: Adequate and properly-configured facilities at Dry Dock 2 for major submarine overhaul and repairs including the enhancement capability and flexibility for meeting increased (SSN 688) and new (SSN 21) work assigned to the shipyard. The fleet soon will be comprised of these two classes of submarines, which have an extraordinary degree of standardization of equipment. The Navy is acting on this opportunity to apply cost savings and efficient production line techniques (PLT) into the submarine overhaul process. For example, this shipyard has already implemented such PLT features as rotatable equipment, pool and recyclable package program, and is in the process of executing others. However, a covering and the permanent installation of associated utilities and services are items that require military construction funding to <div style="text-align: right;">(Continued on DD 1391c)</div>						



1. COMPONENT NAVY	2. DATE
FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE	
4. PROJECT TITLE DRY DOCK MODERNIZATION AND COVER (INCREMENT I)	5. PROJECT NUMBER P-228
<p>11. REQUIREMENT: (Continued) enhance the overhaul process starting in 1993. These submarine overhauls must be routinely accomplished in an efficient and accurate manner to sustain the fleet deployed at sea. The first increment provides a combination of permanent and operable cover. The permanent cover will be as large as necessary and still allow access for refueling. The operable cover will be used to complete the enclosing of the refueling access area. It will be designed to retract under the permanent portion of the cover at the head half of the dry dock. The moving of the sections will be by cranes which will support the cover while each section is rolled under the permanent cover. Additional work includes railroad trackage relocation, and utility upgrades. The second increment will provide a separate facility adjacent to the dry dock cover for a waterfront field shop, project team work spaces, and permanent installation of supporting temporary services.</p> <p><u>CURRENT SITUATION:</u> The shipyard is presently operating with three graving docks fully utilized. Dry Dock 1 is limited to docking the smaller older submarines including SSN 594 and SSN 637 classes which require the aid of external flotation tanks to enter the dry dock. Dry Dock 3 is capable of docking a SSN 688 class and smaller for overhauls and repairs. Refuelings can only be accomplished on the SSN 637 class and smaller, and the dry dock is fully utilized in performing either overhauls or refuelings on these classes of submarines. Since 1986, Dry Dock 2 has been considered the candidate for modernization because of its central location, two vessel docking capacity, laydown space availability and proximity to existing buildings having the potential for full or partial utilization. New England area weather has a big affect on the overhaul process. A submarine going through overhaul and repairs in an open dry dock including exterior hull preservation work such as sandblasting, welding, painting, and special hull treatment is subjected to production delays because of the harsh inclement weather which causes productivity losses for reasons of snow removal, need for freeze protection, cold, rain and wind, equipment damage, and the safety hazards on unprotected staging platforms. All of these setbacks could be reduced by a permanent dry dock enclosure. The proposed covering will effect savings in techniques, equipment, and man days for submarine overhauls.</p> <p><u>IMPACT IF NOT PROVIDED:</u> There will be a continued adverse effect on production morale, quality of work, and lingering safety hazards resulting from an open dry dock operation exposed to the harsh inclement weather. Navy will be unable to fully implement the PLT concept, and the resulting realization of substantial cost savings in overhauls would not materialize.</p> <p><u>ADDITIONAL:</u> An industrial engineering concept study was performed on the proposed project where alternative technical solutions, as well as an economic analysis, have concluded that it is more advantageous</p> <p>(Continued on DD 1391c)</p>	

1. COMPONENT <b>NAVY</b>	<b>FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE								
3. INSTALLATION AND LOCATION <b>PORTSMOUTH NAVAL SHIPYARD, KITTERY, MAINE</b>										
4. PROJECT TITLE <b>DRY DOCK MODERNIZATION AND COVER (INCREMENT I)</b>	5. PROJECT NUMBER <b>P-228</b>									
<p>11. REQUIREMENT: (Continued)  <u>ADDITIONAL:</u> (Continued)  economically to modernize dry dock 2 with a covering and the associated utilities and waterfront field shop facilities. This solution will provide a significant savings of \$6 million per overhaul for every submarine, with an estimated payback of 6.5 years.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> (1) Status:  (a) Date Design Started..... <u>1-89</u>  (b) Percent Complete as of January 1990..... <u>40</u>  (c) Date Design 35% Complete..... <u>10-89</u>  (d) Date Design Complete..... <u>9-90</u> </div> <div style="margin-left: 80px;"> (2) Basis:  (a) Standard or Definitive Design: Yes <u>      </u> No <u>X</u>  (b) Where Design Was Most Recently Used: <u>N/A</u> </div> <div style="margin-left: 80px;"> (3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span>  (a) Production of Plans and Specifications..... ( <u>1200</u> )  (b) All Other Design Costs..... ( <u>510</u> )  (c) Total..... ( <u>1710</u> )  (d) Contract..... ( <u>1580</u> )  (e) In-house..... ( <u>130</u> ) </div> <div style="margin-left: 80px;"> (4) Construction start..... <u>3-91</u>  <span style="margin-left: 100px;">(month and year)</span> </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-left: 80px; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left; width: 35%;">Equipment <u>Nomenclature</u></th> <th style="text-align: left; width: 25%;">Procuring <u>Appropriation</u></th> <th style="text-align: left; width: 25%;">Fiscal Year <u>Appropriated or Requested</u></th> <th style="text-align: left; width: 15%;">Cost <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Bridge Cranes</td> <td>OPN</td> <td>1992</td> <td>13,770</td> </tr> </tbody> </table>			Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated or Requested</u>	Cost <u>(\$000)</u>	Bridge Cranes	OPN	1992	13,770
Equipment <u>Nomenclature</u>	Procuring <u>Appropriation</u>	Fiscal Year <u>Appropriated or Requested</u>	Cost <u>(\$000)</u>							
Bridge Cranes	OPN	1992	13,770							

1. COMPONENT <b>NAVY</b>		FY 1991 <b>MILITARY CONSTRUCTION PROGRAM</b>					2. DATE			
3. INSTALLATION AND LOCATION <b>NAVAL ACADEMY, ANNAPOLIS, MARYLAND</b>				4. COMMAND <b>CHIEF OF NAVAL OPERATIONS</b>			5. AREA CONSTR. COST INDEX <b>1.03</b>			
6. PERSONNEL STRENGTH:	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/88	356	375	1688	0	4689	0	0	0	0	7108
b. END FY 19 94	356	383	1755	0	4689	0	0	0	0	7183

7. INVENTORY DATA (\$000)	
a. TOTAL ACREAGE	( 1,747)
b. INVENTORY TOTAL AS OF 30 SEP 1988	229,760
c. AUTHORIZATION NOT YET IN INVENTORY	19,800
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	0
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	3,130
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	3,630
h. GRAND TOTAL	256,320

8. PROJECTS REQUESTED IN THIS PROGRAM:						
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS		
				START	COMPLETE	
721.12	Bancroft Hall Expan (Phase II)	LS	0*	06/88	01/90	
	TOTAL		0			

\*Appropriation Request: \$24,000,000.

9. <u>Future Projects:</u>			
a. Included in following program:			
141.25	Fire Station	LS	890
441.10	General Warehouse	LS	1,750
852.30	Pedestrian Bridges	LS	490
	TOTAL		3,130
b. Major Planned Next Three Years: None.			

10. <u>Mission or Major Functions:</u> Prepare young people morally, mentally, and physically to be professional officers in the naval service.	
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11. <u>Outstanding pollution and safety deficiencies:</u> (\$000)	
a. Pollution Abatement:	0
b. Installation Restoration:	0
c. Occupational safety and health (OSH):	0

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL ACADEMY, ANNAPOLIS, MARYLAND			4. PROJECT TITLE BANCROFT HALL EXPANSION (PHASE II)		
5. PROGRAM ELEMENT 0805896N	6. CATEGORY CODE 721.12	7. PROJECT NUMBER P-259	8. PROJECT COST (\$000) AUTH: 0* APPR: 24,000		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
BANCROFT HALL EXPANSION. . . . .	SF	341,000	-	38,900	
BUILDING . . . . .	SF	341,000	99.00	(33,600)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 5,240)	
TECHNICAL OPERATING MANUALS. . . . .	LS	-	-	( 60)	
SUPPORTING FACILITIES. . . . .	-	-	-	4,430	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 1,190)	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 820)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 840)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 1,580)	
SUBTOTAL . . . . .	-	-	-	43,330	
CONTINGENCY (5%) . . . . .	-	-	-	2,170	
TOTAL CONTRACT COST. . . . .	-	-	-	45,500	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	2,500	
SUBTOTAL . . . . .	-	-	-	48,000	
LESS: PHASE I FUNDING REQUEST: FY 1990 . . . . .	-	-	-	-24,000	
PHASE II FUNDING REQUEST: FY 1991 . . . . .	-	-	-	24,000	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS . . . . .	-	-	(NON-ADD)	( 0)	
*PRIOR YEAR AUTHORIZATION					
10. DESCRIPTION OF PROPOSED CONSTRUCTION Two six-story reinforced concrete frame building additions, pile foundations, concrete floors, slate and copper roofs on steel roof trusses, granite exterior facing to match existing, fire protection systems, air conditioning and environmental control, utilities; dormitory rooms to accommodate 924 midshipmen, built-in room furniture, storage.					
11. REQUIREMENT: <u>4,689</u> PN. ADEQUATE: <u>3,765</u> PN. SUBSTANDARD: <u>0</u> PN. PROJECT: Provides additions to Bancroft Hall to house 924 midshipmen. (Current mission.) REQUIREMENT: Adequate housing to alleviate overcrowding. A third person has been added in the two-man rooms and each midshipman has been issued a computer. With more in-room study required because of computer-related courses, the room study environment must be suitable for the midshipmen to maintain an expected high-level of academic excellence. CURRENT SITUATION: Bancroft Hall houses 4,689 midshipmen in facilities designed for 3,765. The problem of housing three men in two-man rooms is further compounded by the additional space requirement to accommodate each midshipman's computer which is necessary for present and future curricula. This project is being phased within the FY 1990/1991 biennial program to eliminate the space deficiency. IMPACT IF NOT PROVIDED: Academic excellence will be severely impeded by the absence of a quality study environment. Midshipmen will continue to experience overcrowding conditions adversely affecting their training and morale. (Continued on DD 1391c)					

1. COMPONENT	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE
NAVY			
3. INSTALLATION AND LOCATION			
NAVAL ACADEMY, ANNAPOLIS, MARYLAND			
4. PROJECT TITLE		5. PROJECT NUMBER	
BANCROFT HALL EXPANSION (PHASE II)		P-259	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... 6-88			
(b) Percent Complete as of January 1990..... 100			
(c) Date Design 25% Complete..... 11-88			
(d) Date Design Complete..... 1-90			
(2) Basis:			
(a) Standard or Definitive Design: Yes No X			
(b) Where Design Was Most Recently Used: N/A			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( 2880 )			
(b) All Other Design Costs..... ( 720 )			
(c) Total..... 3600 *			
(d) Contract..... ( 3200 )			
(e) In-house..... ( 400 )			
(4) Construction start..... 1-91			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			
* Estimated total for phases I and II.			

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION NAVAL HOSPITAL, BETHESDA, MARYLAND					4. COMMAND NAVAL MEDICAL COMMAND			5. AREA CONSTR. COST INDEX 1.03			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88		1279	2058	1613	850	372	7	60	232	0	6471
b. END FY 1994		1379	2181	1659	875	463	10	82	247	0	6896
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE . . . . . TENANT OF NMHC . . . . . 0											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 0											
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 0											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 9,000											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 3,100											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 8,700											
g. REMAINING DEFICIENCY . . . . . 16,200											
h. GRAND TOTAL . . . . . 37,000											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE				SCOPE		COST (\$000)		DESIGN STATUS START COMPLETE	
721.12		BACHELOR ENLISTED QUARTERS				103,950 SF		9,000		11/88 01/90	
		TOTAL						9,000			
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
832.10		SEWAGE LINE REPLACEMENT				LS		1,400			
842.10		POTABLE LINE REPLACEMENT				LS		1,700			
		TOTAL						3,100			
B. MAJOR PLANNED NEXT THREE YEARS:											
721.12		BEQ MODN				LS		5,000			
730.80		PARKING STRUCTURE				LS		3,700			
10. MISSION OR MAJOR FUNCTIONS:											
Provide a comprehensive range of emergency, outpatient, and inpatient health care services to active duty Navy and Marine Corps personnel, and active duty members of other Federal Uniformed Services. Ensure that all assigned military personnel are properly trained for the performance of their assigned, contingency, and wartime duties. Conduct appropriate education programs for Naval Medical students and Medical Department officers.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT		0									
B: INSTALLATION RESTORATION		0									
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):		0									

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL HOSPITAL, BETHESDA, MARYLAND			4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		
5. PROGRAM ELEMENT 0807796N	6. CATEGORY CODE 721.12	7. PROJECT NUMBER P-912	8. PROJECT COST (\$000) 9,000		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
BACHELOR ENLISTED QUARTERS . . . . .	SF	103,950	-	7,470	
BUILDING . . . . .	SF	83,160	79.00	(6,570)	
PARKING GARAGE . . . . .	SF	20,790	29.00	( 600)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 300)	
SUPPORTING FACILITIES . . . . .	-	-	-	650	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 150)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 300)	
PAVING AND SITE IMPROVEMENT . . . . .	LS	-	-	( 200)	
SUBTOTAL . . . . .	-	-	-	8,120	
CONTINGENCY (5%) . . . . .	-	-	-	410	
TOTAL CONTRACT COST . . . . .	-	-	-	8,530	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	470	
TOTAL REQUEST . . . . .	-	-	-	9,000	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Four-story reinforced concrete frame building, concrete foundation and floors, masonry walls, built-up roofing, solar domestic hot water system, fire protection and alarm systems, elevators, air conditioning, utilities, technical operating manuals; 108 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; parking structure.</p> <p>Grade Mix: 72 E1-E4, 180 E5-E6. Total: 252.</p>					
11. REQUIREMENT: 1,356 PN. ADEQUATE: 871 PN. SUBSTANDARD: 0 PN.					
PROJECT: Provides adequate billeting for 252 enlisted personnel. (Current mission.)					
REQUIREMENT: Adequate housing for 1,356 bachelor enlisted personnel. These personnel are either assigned to the hospital as staff or are undergoing training.					
CURRENT SITUATION: Existing adequate berthing capacity of 871 includes 724 adequate spaces and 147 spaces in the local community. The total number of adequate spaces is insufficient, resulting in overcrowding. A new construction deficiency of 485 adequate billeting spaces exists. After construction of the spaces requested by this project, the remaining projected space deficit will be satisfied by a follow-on project currently unprogrammed.					
IMPACT IF NOT PROVIDED: Degrade safety, productivity and training, morale and health of personnel, and Navy's career retention efforts.					
ADDITIONAL: The surrounding community has insufficient housing and cannot satisfy the activity's berthing requirements. (Continued on DD 1391c)					

1. COMPONENT NAVY	2. C / E FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA
3. INSTALLATION AND LOCATION NAVAL HOSPITAL, BETHESDA, MARYLAND	
4. PROJECT TITLE BACHELOR ENLISTED QUARTERS	5. PROJECT NUMBER P-912

12. SUPPLEMENTAL DATA:

a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a) Date Design Started.....	11-88
(b) Percent Complete as of January 1990.....	100
(c) Date Design 35% Complete.....	5-89
(d) Date Design Complete.....	1-90

(2) Basis:

(a) Standard or Definitive Design:	Yes _____ No <u>X</u>
(b) Where Design Was Most Recently Used:	<u>N/A</u>

(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)

(a) Production of Plans and Specifications.....	( 175 )
(b) All Other Design Costs.....	( 190 )
(c) Total.....	365
(d) Contract.....	( 95 )
(e) In-house.....	( 270 )

(4) Construction start..... 12-90  
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.



1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION NAVAL ORDNANCE STATION, INDIAN HEAD, MARYLAND					4. COMMAND NAVAL SEA SYSTEMS COMMAND			5. AREA CONSTR. COST INDEX 1.03		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	54	289	2570	64	351	0	0	0	0	3328
b. END FY 1994	60	329	2595	107	736	0	0	0	0	3827
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 3,410)										
b. INVENTORY TOTAL AS OF 30 SEP 88 119,570										
c. AUTHORIZATION NOT YET IN INVENTORY 9,590										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 6,400										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 7,400										
f. PLANNED IN NEXT THREE PROGRAM YEARS 30,130										
g. REMAINING DEFICIENCY 53,400										
h. GRAND TOTAL 226,490										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
831.10	INDUST WSTWTR TRMNT FACS				LS	6,400	11/88 01/90			
	TOTAL					6,400				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
226.66	PROPELLANT & CHEMICAL FAC				LS	2,000				
841.10	WASTEWATER TREATMENT				LS	5,400				
	TOTAL					7,400				
B. MAJOR PLANNED NEXT THREE YEARS:										
143.60	BULK EXPLOSIVE FACILITY				LS	14,030				
310.13	CHEMISTRY LABORATORY				21,600 SF	16,100				
10. MISSION OR MAJOR FUNCTIONS:										
Provide material and technical support for weapon systems, weapons or components. Maintain and operate facilities for mixing, blending, casting and extruding chemicals, propellants and explosives and for the assembly and test of rocket and missile motors. Conduct research in propellants, explosives and related fields, including producing pilot plant quantities of new chemicals. Repair, rework, and modify fleet returned guided missile propulsion units. Provide logistic support for the Naval Explosive Ordnance Disposal Facility and the Naval School, Explosive Ordnance Disposal.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 5,400										
B: INSTALLATION RESTORATION 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE					
3. INSTALLATION AND LOCATION NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND					4. COMMAND NAVAL AIR SYSTEMS COMMAND		5. AREA CONSTR. COST INDEX 1.03					
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL	
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN		
a. AS OF 09/30/88		519	2903	3476	57	0	0	4	12	0	6971	
b. END FY 1994		562	2956	3550	57	0	0	3	7	0	7135	
7. INVENTORY DATA (\$000)												
a. TOTAL ACREAGE ( 7,127)												
b. INVENTORY TOTAL AS OF 30 SEP 88 222,540												
c. AUTHORIZATION NOT YET IN INVENTORY 27,640												
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 3,000												
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0												
f. PLANNED IN NEXT THREE PROGRAM YEARS 21,660												
g. REMAINING DEFICIENCY 58,970												
h. GRAND TOTAL 333,810												
8. PROJECTS REQUESTED IN THIS PROGRAM:												
CATEGORY CODE		PROJECT TITLE			SCOPE		COST (\$000)		DESIGN START		STATUS COMPLETE	
872.10		SECURITY IMPROVEMENTS			LS		3,000		11/88		01/90	
		TOTAL					3,000					
9. FUTURE PROJECTS:												
A. INCLUDED IN FOLLOWING PROGRAM NONE												
B. MAJOR PLANNED NEXT THREE YEARS:												
211.81		JEST ENGINE TEST CELL			LS		5,100					
317.20		ELEC/ELEX SYS LAB MODN			LS		1,180					
441.30		HAZ/FLAMM MATRL STRG FAC			12,860 SF		2,250					
311.25		ADVANCED WARFARE FACILITY			83,720 SF		13,130					
10. MISSION OR MAJOR FUNCTIONS:												
Test and evaluate aircraft and weapon systems, components, and their related equipment for Fleet use. Station also supports tactical support squadrons and the Navy Test Pilot School.												
Fleet Air Reconnaissance Squadron VQ-4 Oceanographic Development Squadron VXN-8 Air Test and Evaluation Squadron VX-1 Navy Test Pilot School												
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)												
A: POLLUTION ABATEMENT		0										
B: INSTALLATION RESTORATION		0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):		2,250										

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND			4. PROJECT TITLE SECURITY IMPROVEMENTS		
5. PROGRAM ELEMENT 0605896N	6. CATEGORY CODE 872.10	7. PROJECT NUMBER P-420	8. PROJECT COST (\$000) 3,000		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
SECURITY IMPROVEMENTS. . . . .	LS	-	-	2,700	
CONTROL CENTER MODIFICATIONS . . . . .	LS	-	-	( 350)	
SECURITY LIGHTING. . . . .	LS	-	-	( 410)	
SECURITY FENCING . . . . .	LS	-	-	( 200)	
ACCESS CONTROL PAVILIONS . . . . .	LS	-	-	( 340)	
UTILITIES. . . . .	LS	-	-	(1,400)	
SUBTOTAL . . . . .	-	-	-	2,700	
CONTINGENCY (5%) . . . . .	-	-	-	140	
TOTAL CONTRACT COST. . . . .	-	-	-	2,840	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	160	
TOTAL REQUEST. . . . .	-	-	-	3,000	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(2,900)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Modify alarm control center building; emergency generator; security fencing and lighting; controlled personnel access pavilions; camera mount foundations; utilities.					
11. REQUIREMENT: <u>As Required.</u>					
<p><u>PROJECT:</u> Provides upgraded security at this aircraft test and development activity with an "enclave" concept of protection around critical assets by restricting and controlling access. The concept is comprised of a sensed fence and buried line sensors to detect an attempted or actual intrusion. Lighted clear-zones will be watched using closed circuit television. Features to limit vehicle penetration will also be provided. (Current mission.)</p> <p><u>REQUIREMENT:</u> Adequate physical security for critical test and development aircraft, equipment, facilities and personnel. Surveillance of these assets will provide protection and reduce pilferage at the activity and help promote the loss prevention program. Terrorism around the world is on the increase. Targets include US military installations, equipment and personnel. Experiences, such as destruction of Navy aircraft in San Juan several years ago, highlight the need to improve security around military installations and airfields. Monitoring devices, alarms, lighting and a surveillance control center will greatly improve effectiveness of fencing and will protect valuable assets. Less visible but just as damaging is</p>					
(Continued on DD 1391c)					

1. COMPONENT NAVY	2. DATE FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA
3. INSTALLATION AND LOCATION NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND	
4. PROJECT TITLE SECURITY IMPROVEMENTS	5. PROJECT NUMBER P-420
<p>11. REQUIREMENT: (Continued) the threat of espionage of technologies and weapons development. After recent loss of submarine technologies through spies and technology transfers, the Navy has stepped-up its effort to protect important military developments. NATC Patuxent River is the Navy's primary center for aircraft development, test and life-cycle engineering support. All types of existing Navy aircraft are tested here. New radar, electronic warfare and communication systems are tested along with the airframes. New aircraft or existing aircraft scheduled for extensive modifications are thoroughly tested prior to full scale production. Loss of hardware and computer software or the "eavesdrop" monitoring of tests through espionage would compromise the combat effectiveness of the aircraft and the subsystems. It would also make development of countermeasures by potential enemies much easier. Improved physical security measures is a proven method of greatly reducing the terrorist threat and the loss of technology and military secrets through espionage.</p> <p><u>CURRENT SITUATION:</u> Like most military installations, Patuxent River's primary means of security protection is a perimeter fence and security patrols. In general, once inside the installation, a person has unchallenged access to most assets. Assets are left unattended in dark or in poorly-lit areas. With these conditions, intruders could do considerable damage to Navy assets with a low risk of being apprehended. Persons could enter unoccupied buildings and steal hardware or information. "Eavesdroppers" could set up monitoring stations on-base and receive test data through visual and electronic means. The proposed physical security improvements will provide an integrated security system completely encompassing critical assets, with the capability to deter or detect unauthorized intruders seeking entry into sensitive areas.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Access to the base is de facto access to sensitive and classified mission assets and information. Weapons systems, classified test and evaluation data and aviation assets will continue to be vulnerable to compromise or destruction. Loss of this data would enable hostile forces to nullify weapons designs prior to their initial operational capability and devise similar advanced weapons at a greatly reduced cost.</p> <p style="text-align: right;">(Continued on DD 1391c)</p>	

1. COMPONENT  NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																														
3. INSTALLATION AND LOCATION  NAVAL AIR TEST CENTER, PATUXENT RIVER, MARYLAND																																
4. PROJECT TITLE  SECURITY IMPROVEMENTS	5. PROJECT NUMBER  P-420																															
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;"><u>11-88</u></td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;"><u>100</u></td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;"><u>5-89</u></td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;"><u>1-90</u></td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes <input type="checkbox"/> No <input checked="" type="checkbox"/></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;"><u>N/A</u></td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">(<u>180</u>)</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">(<u>60</u>)</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;"><u>240</u></td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">(<u>210</u>)</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">(<u>30</u>)</td> </tr> </table> <p>(4) Construction start..... <u>1-91</u> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment Nomenclature</u></th> <th style="text-align: left;"><u>Procuring Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year Appropriated or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Intrusion Detection System, monitoring equipment, electrical cables, alarm control center.</td> <td>RD&amp;E</td> <td>1991</td> <td>2,900</td> </tr> </tbody> </table>			(a) Date Design Started.....	<u>11-88</u>	(b) Percent Complete as of January 1990.....	<u>100</u>	(c) Date Design 35% Complete.....	<u>5-89</u>	(d) Date Design Complete.....	<u>1-90</u>	(a) Standard or Definitive Design:	Yes <input type="checkbox"/> No <input checked="" type="checkbox"/>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( <u>180</u> )	(b) All Other Design Costs.....	( <u>60</u> )	(c) Total.....	<u>240</u>	(d) Contract.....	( <u>210</u> )	(e) In-house.....	( <u>30</u> )	<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>	Intrusion Detection System, monitoring equipment, electrical cables, alarm control center.	RD&E	1991	2,900
(a) Date Design Started.....	<u>11-88</u>																															
(b) Percent Complete as of January 1990.....	<u>100</u>																															
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(b) Where Design Was Most Recently Used:	<u>N/A</u>																															
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1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION NAVAL HOSPITAL, PATUXENT RIVER, MARYLAND				4. COMMAND NAVAL MEDICAL COMMAND			5. AREA CONSTR. COST INDEX 1.03			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	46	136	62	0	0	0	0	0	0	244
b. END FY 1994	54	88	62	0	0	0	0	0	0	204
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE . . . . . TENANT OF NATC . . . . . 0										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 0										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 0										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 2,250										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0										
g. REMAINING DEFICIENCY . . . . . 0										
h. GRAND TOTAL . . . . . 2,250										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START    COMPLETE			
171.20	AVIAT PHYSIOLOGY TRNG FAC				13,800 SF	2,250	12/88	01/90		
	TOTAL					2,250				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS: NONE										
10. MISSION OR MAJOR FUNCTIONS:										
To provide general clinical hospitalization for active duty Navy and Marine Corps personnel, active duty members of other armed services, dependents of active duty personnel, and other authorized persons as outlined in current directives. To cooperate with military and civil authorities in matters pertaining to health, sanitation, local disasters, and other emergencies.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT . . . . . 0										
B: INSTALLATION RESTORATION . . . . . 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): . . . . . 0										

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL HOSPITAL, PATUXENT RIVER, MARYLAND</b>				4. PROJECT TITLE <b>AVIATION PHYSIOLOGY TRAINING FACILITY</b>		
5. PROGRAM ELEMENT <b>0807796N</b>		6. CATEGORY CODE <b>171.20</b>	7. PROJECT NUMBER <b>P-903</b>		8. PROJECT COST (\$000) <b>2,250</b>	
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
AVIATION PHYSIOLOGY TRAINING FACILITY. . . .		SF	13,800	-	1,630	
BUILDING . . . . .		SF	13,800	108.00	(1,490)	
BUILT-IN EQUIPMENT . . . . .		LS	-	-	( 140)	
SUPPORTING FACILITIES . . . . .		-	-	-	400	
ELECTRICAL UTILITIES . . . . .		LS	-	-	( 200)	
MECHANICAL UTILITIES . . . . .		LS	-	-	( 80)	
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 120)	
SUBTOTAL . . . . .		-	-	-	2,030	
CONTINGENCY (5%) . . . . .		-	-	-	100	
TOTAL CONTRACT COST. . . . .		-	-	-	2,130	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .		-	-	-	120	
TOTAL REQUEST. . . . .		-	-	-	2,250	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>One-story steel frame building, concrete foundation and floor, masonry walls, built-up-roof, air conditioning, utilities, fire protection system; equipment, utilities and technical operating manuals to support training units.</p>						
<p>11. REQUIREMENT: <u>13,800 SF.</u> ADEQUATE: <u>0 SF.</u> SUBSTANDARD: <u>0 SF.</u>  <u>PROJECT:</u> Constructs training facility including administrative space, classrooms, low pressure chamber, and ejection seat training devices.  (Current mission.)  <u>REQUIREMENT:</u> Adequate facilities to accommodate aviation physiology and water survival training for Fleet aviation personnel including those at the Naval Air Test Center.  <u>CURRENT SITUATION:</u> The aviation physiology training department presently occupies only 2,700 square feet of one building. The building is shared by two other major departments of the host installation. The aviation physiology training devices are housed in two rooms which must also accommodate a maintenance area, office spaces, static displays, and storage. Because there is a lack of adequate storage space, some items are stored in the crawl space under a building some distance away leading to equipment deterioration and lack of accountability. The department does not have a dedicated classroom. The building's conference room is used on a shared basis and is not available two full days per week. Students who travel from other activities to receive training spend two</p> <p style="text-align: right;">(Continued on DD 1391c)</p>						

1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
3. INSTALLATION AND LOCATION <b>NAVAL HOSPITAL, PATUXENT RIVER, MARYLAND</b>		
4. PROJECT TITLE <b>AVIATION PHYSIOLOGY TRAINING FACILITY</b>	5. PROJECT NUMBER <b>P-903</b>	
<p>11. REQUIREMENT: (Continued)  <b>CURRENT SITUATION:</b> (Continued)  days at the facility to get one day's worth of training. It is projected that the training workload will increase by 20% because new aircraft and systems will receive full scale development, test and evaluation at the test center.  <b>IMPACT IF NOT PROVIDED:</b> The department will be unable to comply with training requirements for modular training of aviation life support systems in fixed and rotary wing aircraft. The existing deficiency of adequate training space will result in continued degradation of air crew training in survival techniques and may result in unnecessary loss of life or serious injury.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> (1) Status:  (a) Date Design Started..... <u>12-88</u>  (b) Percent Complete as of January 1990..... <u>100</u>  (c) Date Design 35% Complete..... <u>5-89</u>  (d) Date Design Complete..... <u>1-90</u> </div> <div style="margin-left: 80px;"> (2) Basis:  (a) Standard or Definitive Design: Yes <u>    </u> No <u>X</u>  (b) Where Design Was Most Recently Used: <u>N/A</u> </div> <div style="margin-left: 80px;"> (3) Total cost (c) = (a) + (b) or (d) + (e): <u>(\$000)</u>  (a) Production of Plans and Specifications..... ( <u>115</u> )  (b) All Other Design Costs..... ( <u>170</u> )  (c) Total..... <u>285</u>  (d) Contract..... ( <u>260</u> )  (e) In-house..... ( <u>25</u> ) </div> <div style="margin-left: 80px;"> (4) Construction start..... <u>1-91</u>  <div style="text-align: right;">(month and year)</div> </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: <b>None.</b></p>		



1. COMPONENT  NAVY		FY 1981 MILITARY CONSTRUCTION PROGRAM					2. DATE																					
3. INSTALLATION AND LOCATION  NAVAL ELECTRONIC SYSTEMS ENGINEERING ACTIVITY, ST INIGOE, MARYLAND					4. COMMAND  SPACE AND NAVAL WARFARE SYSTEMS COMMAND			5. AREA CONSTR. COST INDEX  1.03																				
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1984		PERMANENT			STUDENTS			SUPPORTED			TOTAL																	
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN																		
		4	33	343	0	0	0	0	0	0		380																
		7	37	342	0	0	0	0	0	0	386																	
7. INVENTORY DATA (\$000)																												
a. TOTAL ACREAGE ( 969)																												
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 20,140																												
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 0																												
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 3,900																												
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0																												
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 8,820																												
g. REMAINING DEFICIENCY . . . . . 23,300																												
h. GRAND TOTAL . . . . . 56,160																												
8. PROJECTS REQUESTED IN THIS PROGRAM:																												
<table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">CATEGORY CODE</th> <th style="text-align: left;">PROJECT TITLE</th> <th style="text-align: left;">SCOPE</th> <th style="text-align: right;">COST (\$000)</th> <th style="text-align: left;">DESIGN STATUS START</th> <th style="text-align: left;">COMPLETE</th> </tr> </thead> <tbody> <tr> <td>317.25</td> <td>FACSFAC ELEC SYS INTEG</td> <td>25,400 SF</td> <td style="text-align: right;">3,900</td> <td>11/88</td> <td>09/89</td> </tr> <tr> <td colspan="3">TOTAL</td> <td style="text-align: right;">3,900</td> <td></td> <td></td> </tr> </tbody> </table>											CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE	317.25	FACSFAC ELEC SYS INTEG	25,400 SF	3,900	11/88	09/89	TOTAL			3,900		
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE																							
317.25	FACSFAC ELEC SYS INTEG	25,400 SF	3,900	11/88	09/89																							
TOTAL			3,900																									
9. FUTURE PROJECTS:																												
A. INCLUDED IN FOLLOWING PROGRAM NONE																												
B. MAJOR PLANNED NEXT THREE YEARS:																												
317.25	ACLS INTEGRATED TEST FAC	LS	700																									
217.77	ELECTRONICS STORAGE FAC	57,560 SF	8,120																									
10. MISSION OR MAJOR FUNCTIONS:																												
Performs test and evaluation on electronics systems and equipment; provides technical support and services to users of Navy electronic systems and equipment; integrates electronics systems for new ship types and develops prototype equipment modifications.																												
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)																												
A: POLLUTION ABATEMENT 0																												
B: INSTALLATION RESTORATION 0																												
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0																												

1. COMPONENT <b>NAVY</b>		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL ELECTRONIC SYSTEMS ENGINEERING ACTIVITY, ST. INIGOE, MARYLAND</b>				4. PROJECT TITLE <b>FACSFAC ELECTRONIC SYSTEMS INTEGRATION</b>		
5. PROGRAM ELEMENT <b>0605896N</b>		6. CATEGORY CODE <b>317.25</b>	7. PROJECT NUMBER <b>P-723</b>		8. PROJECT COST (\$000) <b>3,900</b>	
<b>9. COST ESTIMATES</b>						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
FACSFAC ELECTRONIC SYSTEMS INTEGRATION . . .	SF	25,400	-	2,760		
BUILDING . . . . .	SF	25,400	90.00	(2,300)		
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 460)		
SUPPORTING FACILITIES. . . . .	-	-	-	760		
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 620)		
UTILITIES. . . . .	LS	-	-	( 50)		
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 90)		
SUBTOTAL . . . . .	-	-	-	3,520		
CONTINGENCY (5%) . . . . .	-	-	-	180		
TOTAL CONTRACT COST. . . . .	-	-	-	3,700		
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	200		
TOTAL REQUEST. . . . .	-	-	-	3,900		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>						
Two-story steel frame and masonry building, pile foundation, concrete floors, built-up roof, security alarms, energy monitoring and control system, fire protection system, air conditioning, utilities.						
<b>11. REQUIREMENT: 38,000 SF. ADEQUATE: 12,600 SF. SUBSTANDARD: 0 SF.</b>						
<p><b>PROJECT:</b> Constructs a facility for life-cycle support of the Fleet Area Control and Surveillance Facility (FACSFAC) systems. (Current mission.)</p> <p><b>REQUIREMENT:</b> Adequate and properly-configured facilities to accommodate software and hardware maintenance, repair, software configuration management and problem analysis for the FACSFAC life-cycle support program. Both hardware and software support must be provided to ensure the highest level of technical assistance, to optimize maintenance and logistic activities, and to provide for the software development, modification, and configuration control of all FACSFAC installations. As recommended by congress, the FACSFACs collaborate with FAA air-traffic-control to provide continuous surveillance and traffic control in those areas where civilian and military aircraft might intermingle, in an effort to avoid mid-air collisions and enhance air safety. Four FACSFACs have been constructed at naval bases in Jacksonville, the Virginia Capes, San Diego, and Oahu to control airspace over large off-shore operating areas. In addition, systems are used for control and surveillance at Key West, Fallon, and Hill Air Force Base in Utah.</p>						
(Continued on DD 1391c)						

1. COMPONENT  NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																						
3. INSTALLATION AND LOCATION  NAVAL ELECTRONIC SYSTEMS ENGINEERING ACTIVITY, ST. INIGOES, MARYLAND																								
4. PROJECT TITLE  FACSFAC ELECTRONIC SYSTEMS INTEGRATION	5. PROJECT NUMBER  P-723																							
<p>11. REQUIREMENT: (Continued)</p> <p><u>CURRENT SITUATION:</u> The FACSFAC program, with its state-of-the-art equipment and markedly increased number of applications, has greatly increased the current and projected workload. Several new systems which require immediate support have been brought on-line. The present support facility cannot keep pace with current operating systems and the projected seven new systems that will become operational during the 1990's. Dramatic increases in monitoring of air traffic have increased system overloads which jeopardize air traffic safety.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Navy will be unable to provide the software and hardware support to keep the FACSFACs in operation. This could adversely affect national security, as well as air safety over thousands of square miles of coastal and land range warning areas. The same would apply for the other related facilities that have been designated for FACSFAC type support.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p style="margin-left: 40px;">(1) Status:</p> <table style="margin-left: 80px; border-collapse: collapse;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">11-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">5-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">9-89</td> </tr> </table> <p style="margin-left: 40px;">(2) Basis:</p> <table style="margin-left: 80px; border-collapse: collapse;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;"><u>N/A</u></td> </tr> </table> <p style="margin-left: 40px;">(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="margin-left: 80px; border-collapse: collapse;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 230 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 80 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">310</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 270 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 40 )</td> </tr> </table> <p style="margin-left: 40px;">(4) Construction start..... <span style="float: right;">1-91</span></p> <p style="margin-left: 120px; text-align: center;">(month and year)</p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	9-89	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( 230 )	(b) All Other Design Costs.....	( 80 )	(c) Total.....	310	(d) Contract.....	( 270 )	(e) In-house.....	( 40 )
(a) Date Design Started.....	11-88																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	5-89																							
(d) Date Design Complete.....	9-89																							
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	<u>N/A</u>																							
(a) Production of Plans and Specifications.....	( 230 )																							
(b) All Other Design Costs.....	( 80 )																							
(c) Total.....	310																							
(d) Contract.....	( 270 )																							
(e) In-house.....	( 40 )																							

1. COMPONENT <b>NAVY</b>		FY 19 <sup>91</sup> <b>MILITARY CONSTRUCTION PROGRAM</b>				2. DATE					
3. INSTALLATION AND LOCATION <b>NAVAL INTELLIGENCE COMMAND HEADQUARTERS, SUITLAND, MARYLAND</b>				4. COMMAND <b>NAVAL INTELLIGENCE COMMAND</b>		5. AREA CONSTR. COST INDEX <b>1.04</b>					
6. PERSONNEL STRENGTH:		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/88		291	952	1387	0	0	0	0	0	0	2630
b. END FY 19 94		285	972	1556	0	0	0	0	0	0	2813
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 0 )											
b. INVENTORY TOTAL AS OF 30 SEP 1988 0											
c. AUTHORIZATION NOT YET IN INVENTORY 114,000											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 0											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0											
f. PLANNED IN NEXT THREE PROGRAM YEARS 0											
g. REMAINING DEFICIENCY 0											
h. GRAND TOTAL 114,000											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE						
143.65	Headquarters Bldg (Incr II)	LS	0*	02/87	02/90						
	TOTAL		0								
* Appropriation Request: \$55,048,000.											
9. Future Projects:											
a. Included in following program: None.											
b. Major Planned Next Three Years: None.											
10. Mission or Major Functions: Direct and manage the activities of the Naval Intelligence Command to insure the fulfillment of the intelligence requirements and responsibilities of the Department of the Navy; and to perform such other functions and tasks as may be directed by higher authority.											
11. Outstanding pollution and safety deficiencies: (\$000)											
a. Pollution Abatement: 0											
b. Installation Restoration: 0											
c. Occupational safety and health (OSH): 0											

1. COMPONENT <b>NAVY</b>		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL INTELLIGENCE COMMAND HEADQUARTERS, SUITLAND, MARYLAND</b>			4. PROJECT TITLE <b>HEADQUARTERS BUILDING (INCREMENT II)</b>		
5. PROGRAM ELEMENT <b>N F I P 0301398N</b>		6. CATEGORY CODE <b>143.65</b>	7. PROJECT NUMBER <b>P-001A</b>	8. PROJECT COST (\$000) <b>AUTH: 0* APPR: 55,048</b>	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
HEADQUARTERS BUILDING. . . . .		SF	812,000	-	48,530
BUILDING . . . . .		SF	587,000	75.00	( 44,030)
PARKING STRUCTURE. . . . .		SF	225,000	20.00	( 4,500)
SUPPORTING FACILITIES. . . . .		-	-	-	54,380
SPECIAL CONSTRUCTION FEATURES. . . . .		LS	-	-	( 45,380)
UTILITIES. . . . .		LS	-	-	( 6,000)
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 3,000)
SUBTOTAL . . . . .		-	-	-	102,910
CONTINGENCY (5%) . . . . .		-	-	-	5,150
TOTAL CONTRACT COST. . . . .		-	-	-	108,060
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .		-	-	-	5,940
SUBTOTAL . . . . .		-	-	-	114,000
LESS: INCREMENT I FUNDING: FY 1989. . . . .		-	-	-	- 58,952
INCREMENT II FUNDING REQUEST . . . . .		-	-	-	55,048
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	- (NON-ADD)	-	( )
* PRIOR YEAR AUTHORIZATION					
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Multi-story reinforced concrete building, pile foundation, sensitive compartmented information facility construction, computer flooring, earth berms from imported fill material, intrusion detection systems, radio frequency shielding, secure raceways for power, communications and data, vehicle barricades, hardened guard structures, air conditioning, special ventilation systems, silver waste recovery, waste neutralization and treatment system, grease removal system, 60 HZ emergency generators, 400 HZ electric power, uninterruptible power supply, grounding and lightning protection, independent power house, parking garage, utilities, elevators.					
11. REQUIREMENT: 812,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF. PROJECT: Provides a building with secure and technically supported environment for critical, highly sensitive intelligence gathering services, accommodating approximately 2,230 employees, and a supporting parking facility. (Current mission.) REQUIREMENT: The Naval Intelligence Command (NIC) in Suitland, Maryland needs to be centralized to provide necessary functionality and security. Projections indicate an expansion of the commands mission with associated increases in staff and space needs including major requirements for additional data processing equipment space. The existing NIC complex is not designed for expansion.					
(Continued on DD 1391c)					

1. COMPONENT  NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																										
3. INSTALLATION AND LOCATION  NAVAL INTELLIGENCE COMMAND HEADQUARTERS, SUITLAND, MARYLAND																												
4. PROJECT TITLE  HEADQUARTERS BUILDING (INCREMENT II)	5. PROJECT NUMBER  P-001A																											
<p>11. REQUIREMENT: (Continued)</p> <p><u>CURRENT SITUATION:</u> NIC facilities are currently overcrowded and fragmented leased spaces in several locations. No space exists for expansion or consolidating requirements. The majority of the command is split between leased buildings with additional activities at Crystal City, Chesapeake Beach and a Smithsonian Warehouse.</p> <p><u>IMPACT IF NOT PROVIDED:</u> NIC facilities will remain overcrowded and fragmented with conditions worsening because of staff increases. Costly commercial leased space will still be required and lease costs will continue to escalate.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p style="margin-left: 40px;">(1) Status:</p> <table style="margin-left: 80px; border-collapse: collapse;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">2-87</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">90</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">2-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">2-90</td> </tr> </table> <p style="margin-left: 40px;">(2) Basis:</p> <table style="margin-left: 80px; border-collapse: collapse;"> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes</td> <td>No</td> <td>X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3" style="text-align: center;">N/A</td> </tr> </table> <p style="margin-left: 40px;">(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="margin-left: 80px; border-collapse: collapse;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 3030 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 1100 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">4130</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 3800 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 330 )</td> </tr> </table> <p style="margin-left: 40px;">(4) Construction start..... <span style="float: right;">1-91</span></p> <p style="margin-left: 120px;">(month and year)</p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Date Design Started.....	2-87	(b) Percent Complete as of January 1990.....	90	(c) Date Design 35% Complete.....	2-89	(d) Date Design Complete.....	2-90	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A			(a) Production of Plans and Specifications.....	( 3030 )	(b) All Other Design Costs.....	( 1100 )	(c) Total.....	4130	(d) Contract.....	( 3800 )	(e) In-house.....	( 330 )
(a) Date Design Started.....	2-87																											
(b) Percent Complete as of January 1990.....	90																											
(c) Date Design 35% Complete.....	2-89																											
(d) Date Design Complete.....	2-90																											
(a) Standard or Definitive Design:	Yes	No	X																									
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(d) Contract.....	( 3800 )																											
(e) In-house.....	( 330 )																											

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION NAVAL OCEANOGRAPHY COMMAND FACILITY, BAY ST. LOUIS, MISSISSIPPI					4. COMMAND NAVAL OCEANOGRAPHY COMMAND			5. AREA CONSTR. COST INDEX .85		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	7	17	21	0	0	0	0	0	0	45
b. END FY 1994	8	23	24	0	0	0	0	0	0	55
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE . . . . . TENANT OF NASA										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 0										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 1,600										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 1,700										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0										
g. REMAINING DEFICIENCY . . . . . 8,000										
h. GRAND TOTAL . . . . . 11,300										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
137.10	OCEANOGRAPHIC BUILDING				12,420 SF	1,700	10/88 09/89			
	TOTAL					1,700				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS: NONE										
10. MISSION OR MAJOR FUNCTIONS:										
Maintain and distribute technical documents in support of the Naval Oceanography Program, manage the Meteorological and Oceanographics Program, and serve as the program administrator of the Naval Oceanography Reserve Program.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT . . . . . 0										
B: INSTALLATION RESTORATION . . . . . 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): . . . . . 0										

1. COMPONENT NAVY		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL OCEANOGRAPHY COMMAND FACILITY, BAY ST. LOUIS, MISSISSIPPI				4. PROJECT TITLE OCEANOGRAPHIC BUILDING		
5. PROGRAM ELEMENT  0305196N		6. CATEGORY CODE  137.10	7. PROJECT NUMBER  P-001		8. PROJECT COST (\$000)  1,700	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
OCEANOGRAPHIC BUILDING . . . . .		SF	12,420	-	1,290	
BUILDING . . . . .		SF	12,420	97.00	(1,200)	
BUILT-IN EQUIPMENT . . . . .		LS	-	-	( 90)	
SUPPORTING FACILITIES. . . . .		-	-	-	240	
SPECIAL CONSTRUCTION FEATURES. . . . .		LS	-	-	( 50)	
ELECTRICAL UTILITIES . . . . .		LS	-	-	( 80)	
MECHANICAL UTILITIES . . . . .		LS	-	-	( 50)	
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 60)	
SUBTOTAL . . . . .		-	-	-	1,530	
CONTINGENCY (5%) . . . . .		-	-	-	80	
TOTAL CONTRACT COST. . . . .		-	-	-	1,610	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .		-	-	-	90	
TOTAL REQUEST. . . . .		-	-	-	1,700	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
One-story reinforced concrete frame building, pile foundation and concrete floor, reinforced concrete walls and roof capable of supporting heavy electronic equipment, fire protection system, air conditioning, utilities.						
11. REQUIREMENT: <u>12,420</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>0</u> SF. PROJECT: Provides sufficient space to house administration, training, meteorological and oceanography program department personnel, and the reserve readiness department personnel. (Current mission.) REQUIREMENT: Adequate collocated facilities to house personnel working in support of worldwide meteorological and oceanographic services. Personnel are responsible for program management of the Meteorological and Oceanographic Equipment Program (MOEP), for climatology, meteorological, and oceanographic training, and for logistic support of Naval Oceanography Command activities worldwide. Space is also necessary for climate controlled storage and associated workshops to fully support the worldwide meteorological and oceanographic services. CURRENT SITUATION: The Naval Oceanography Command Facility (NAVOCEANCOMFAC) is currently housed in inadequate facilities because of configuration and location. There is also a shortage of space for storage, equipment maintenance, and support services.						

(Continued on DD 1391c)



1. COMPONENT NAVY	2. DATE FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA
3. INSTALLATION AND LOCATION NAVAL OCEANOGRAPHY COMMAND FACILITY, BAY ST. LOUIS, MISSISSIPPI	
4. PROJECT TITLE OCEANOGRAPHIC BUILDING	5. PROJECT NUMBER P-001
<p>11. REQUIREMENT: (Continued)  <b>IMPACT IF NOT PROVIDED:</b> Personnel will continue to work in inadequate facilities not constructed for the activity's mission. Emergency equipment repair parts and routine fleet distribution items will continue to be stored in four scattered locations. Inefficient operations will continue because of overcrowded and inadequate facilities.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... 10-88</p> <p>(b) Percent Complete as of January 1990..... 100</p> <p>(c) Date Design 35% Complete..... 3-89</p> <p>(d) Date Design Complete..... 9-89</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes _____ No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( 100 )</p> <p>(b) All Other Design Costs..... ( 10 )</p> <p>(c) Total..... 110</p> <p>(d) Contract..... ( 100 )</p> <p>(e) In-house..... ( 10 )</p> <p>(4) Construction start..... 12-90 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>	

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION BATTALION CENTER, GULFPORT, MISSISSIPPI				4. COMMAND NAVAL FACILITIES ENGINEERING COMMAND		5. AREA CONSTR. COST INDEX .85				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	174	3929	715	2	508	0	0	42	0	5370
b. END FY 1994	197	3690	715	0	662	0	0	42	0	5306
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 4.772 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 82,190										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 29,510										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 6,900										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 600										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 9,000										
g. REMAINING DEFICIENCY . . . . . 24,880										
h. GRAND TOTAL . . . . . 153,080										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE				
441.20	CONTROLLED HUMIDITY WRHSE			150,000 SF	6,900	1/88	01/90			
	TOTAL				6,900					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
740.74	CHILD CARE CENTER ADDITION			4,560 SF	600					
	TOTAL				600					
B. MAJOR PLANNED NEXT THREE YEARS:										
411.40	SOAP/MTIS BLDG			LS	5,000					
219.10	PW SHOPS			53,740 SF	4,000					
10. MISSION OR MAJOR FUNCTIONS:										
Support the Naval Construction Force, fleet units and assigned organizational units deployed from or homeported at the center; support mobilization requirements of the Naval Construction Force; store, preserve, and ship advanced based and mobilization stocks.										
20th Naval Construction Regiment										
5 Naval Mobile Construction Battalions										
Naval Construction Training Center										
17 Reserve Naval Mobile Construction Battalions										
9 Reserve Naval Construction Regiments										
1 Reserve Naval Construction Force Augmentation Unit										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 30										
B: INSTALLATION RESTORATION 9,940										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT <b>NAVY</b>	FY 19 <u>91</u> <b>MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE
3. INSTALLATION AND LOCATION <b>NAVAL CONSTRUCTION BATTALION CENTER, GULFPORT, MISSISSIPPI</b>		4. PROJECT TITLE <b>CONTROLLED HUMIDITY WAREHOUSE</b>		
5. PROGRAM ELEMENT <b>0702896N</b>	6. CATEGORY CODE <b>441.20</b>	7. PROJECT NUMBER <b>P-745</b>	8. PROJECT COST (\$000) <b>6,900</b>	
<b>9. COST ESTIMATE</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
CONTROLLED HUMIDITY WAREHOUSE. . . . .	SF	150,000	-	4,310
BUILDING . . . . .	SF	150,000	26.00	(3,950)
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 360)
SUPPORTING FACILITIES. . . . .	-	-	-	1,920
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 840)
UTILITIES. . . . .	LS	-	-	( 370)
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 710)
SUBTOTAL . . . . .	-	-	-	6,230
CONTINGENCY (5%) . . . . .	-	-	-	310
TOTAL CONTRACT COST. . . . .	-	-	-	6,540
SUPERVISION, INSPECTION AND OVERHEAD (5.5%) . . . . .	-	-	-	360
TOTAL REQUEST. . . . .	-	-	-	6,900
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS . . . . .	-	-	(NON-ADD)	( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
One-story reinforced concrete frame building, pile foundation, reinforced concrete floor and roof, masonry walls, special flooring, fire protection and alarm systems, intrusion detection system, utilities.				
11. REQUIREMENT: <u>999,160</u> SF. ADEQUATE: <u>849,160</u> SF. SUBSTANDARD: <u>0</u> SF. PROJECT: Constructs a controlled humidity warehouse. (Current mission.) REQUIREMENT: Adequate controlled humidity storage space for pre-positioned war reserve material stock (PWRMS) and civil engineering support equipment (CESE) to support readiness of the Naval Construction Forces. Storage of this material and equipment is one of the primary missions of Gulfport. If full mobilization occurs, up to three active construction battalions, one active construction regiment, four reserve construction regiments, and eight reserve construction battalions will be processed through Gulfport. These units must move to Gulfport, draw equipment, pack-up the equipment and move-out within a 45-day period. Therefore, properly designed and efficient storage facilities are mandatory. CURRENT SITUATION: PWRMS bulk items such as lumber, pipe, fencing, and refrigeration units are stored outside. There is inadequate inside storage space for CESE equipment such as hand tools and medical supplies. Materials valued at more than \$20 million will continue arriving at Gulfport through 1992. Gulfport is located in a high-humidity climate				
(Continued on DD 1391c)				

1. COMPONENT	2. DATE
NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA
3. INSTALLATION AND LOCATION	
NAVAL CONSTRUCTION BATTALION CENTER, GULFPORT, MISSISSIPPI	
4. PROJECT TITLE	5. PROJECT NUMBER
CONTROLLED HUMIDITY WAREHOUSE	P-745
<p>11. REQUIREMENT: (Continued)</p> <p><u>CURRENT SITUATION:</u> (Continued)</p> <p>where salinity in the air causes rapid metal deterioration, and where the average annual rainfall is 80 inches. Storing materials and equipment outside will accelerate deterioration and result in a shorter preventive maintenance cycle and an unservicable condition.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Increased equipment maintenance costs, materials costs, and a negative impact on readiness of the Naval Construction Forces to support the Fleet.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... 11-88</p> <p>(b) Percent Complete as of January 1990..... 100</p> <p>(c) Date Design 35% Complete..... 5-89</p> <p>(d) Date Design Complete..... 1-90</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes _____ No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( 75 )</p> <p>(b) All Other Design Costs..... ( 35 )</p> <p>(c) Total..... 110</p> <p>(d) Contract..... ( 85 )</p> <p>(e) In-house..... ( 25 )</p> <p>(4) Construction start..... 12-90</p> <p>(month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>	

1. COMPONENT  NAVY		FY 1991 <b>MILITARY CONSTRUCTION PROGRAM</b>					2. DATE																											
3. INSTALLATION AND LOCATION  NAVAL CONSTRUCTION TRAINING CENTER, GULFPORT, MISSISSIPPI					4. COMMAND  CHIEF OF NAVAL EDUCATION AND TRAINING			5. AREA CONSTR. COST INDEX  .85																										
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1994		7. INVENTORY DATA (\$000)																																
		PERMANENT			STUDENTS			SUPPORTED			TOTAL																							
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN																								
		7	126	34	2	415	0	0	0	0	584																							
		6	143	34	0	533	0	0	0	0	716																							
<table border="0" style="width: 100%;"> <tr> <td style="width: 40%;">a. TOTAL ACREAGE</td> <td style="width: 20%; text-align: center;">TENANT OF NCBC</td> <td style="width: 40%;"></td> </tr> <tr> <td>b. INVENTORY TOTAL AS OF 30 SEP 88</td> <td></td> <td style="text-align: right;">0</td> </tr> <tr> <td>c. AUTHORIZATION NOT YET IN INVENTORY</td> <td></td> <td style="text-align: right;">5,250</td> </tr> <tr> <td>d. AUTHORIZATION REQUESTED IN THIS PROGRAM</td> <td></td> <td style="text-align: right;">8,600</td> </tr> <tr> <td>e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM</td> <td></td> <td style="text-align: right;">0</td> </tr> <tr> <td>f. PLANNED IN NEXT THREE PROGRAM YEARS</td> <td></td> <td style="text-align: right;">0</td> </tr> <tr> <td>g. REMAINING DEFICIENCY</td> <td></td> <td style="text-align: right;">4,800</td> </tr> <tr> <td>h. GRAND TOTAL</td> <td></td> <td style="text-align: right;">18,650</td> </tr> </table>											a. TOTAL ACREAGE	TENANT OF NCBC		b. INVENTORY TOTAL AS OF 30 SEP 88		0	c. AUTHORIZATION NOT YET IN INVENTORY		5,250	d. AUTHORIZATION REQUESTED IN THIS PROGRAM		8,600	e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM		0	f. PLANNED IN NEXT THREE PROGRAM YEARS		0	g. REMAINING DEFICIENCY		4,800	h. GRAND TOTAL		18,650
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8. PROJECTS REQUESTED IN THIS PROGRAM:																																		
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721.14	BARRACKS	73,000 SF	7,100	11/88	01/90																													
TOTAL			8,600																															
9. FUTURE PROJECTS:																																		
A. INCLUDED IN FOLLOWING PROGRAM: NONE																																		
B. MAJOR PLANNED NEXT THREE YEARS: NONE																																		
10. MISSION OR MAJOR FUNCTIONS																																		
Train Seabee personnel to prepare for early usefulness in their designated specialties; supplement on-the-job training with advanced and specialized training when such training is more advantageous given in a formal school.																																		
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)																																		
A: POLLUTION ABATEMENT 0																																		
B: INSTALLATION RESTORATION 0																																		
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0																																		

1. COMPONENT NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION TRAINING CENTER, GULFPORT, MISSISSIPPI				4. PROJECT TITLE APPLIED INSTRUCTION BUILDING		
5. PROGRAM ELEMENT 0805796N		6. CATEGORY CODE 171.20		7. PROJECT NUMBER P-716		8. PROJECT COST (\$000) 1,500
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
APPLIED INSTRUCTION BUILDING . . . . .		SF	12,560	90.00	1,130	
SUPPORTING FACILITIES. . . . .		-	-	-	220	
UTILITIES. . . . .		LS	-	-	( 80)	
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 90)	
DEMOLITION . . . . .		LS	-	-	( 50)	
SUBTOTAL . . . . .		-	-	-	1,350	
CONTINGENCY (5%) . . . . .		-	-	-	70	
TOTAL CONTRACT COST. . . . .		-	-	-	1,420	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%). . . . .		-	-	-	80	
TOTAL REQUEST. . . . .		-	-	-	1,500	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION One-story steel frame building, concrete foundation and floor, masonry walls with brick facing, built-up roof, fire protection and security alarm systems, air conditioning, utilities, demolition of one building.						
11. REQUIREMENT: 57,990 SF. ADEQUATE: 45,430 SF. SUBSTANDARD: 0 SF. PROJECT: Provides an instruction building. (Current mission.) REQUIREMENT: Adequate facilities for training Seabees in the basic and advanced construction electrician skills. CURRENT SITUATION: The existing construction electrician's school is located in a 43-year old converted Battalion Headquarter's Building. The facility has undersized classrooms, not permitting proper safety zones or instructor observation areas. Floor loading is approaching unsafe limits. IMPACT IF NOT PROVIDED: The construction electricians will continue to be taught in a deteriorated building, poorly configured for training, and creating many safety hazards. The quality of instruction will suffer, adversely affecting the Seabees to support fleet activities.						
(Continued on DD 1391c)						

1. COMPONENT NAVY		2. DATE	
FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION TRAINING CENTER, GULFPORT, MISSISSIPPI			
4. PROJECT TITLE APPLIED INSTRUCTION BUILDING		5. PROJECT NUMBER P-716	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... 10-88			
(b) Percent Complete as of January 1990..... 100			
(c) Date Design 35% Complete..... 3-89			
(d) Date Design Complete..... 9-89			
(2) Basis:			
(a) Standard or Definitive Design: Yes No X			
(b) Where Design Was Most Recently Used: N/A			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( 65 )			
(b) All Other Design Costs..... ( 55 )			
(c) Total..... 120			
(d) Contract..... ( 90 )			
(e) In-house..... ( 30 )			
(4) Construction start..... 12-90			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL CONSTRUCTION TRAINING CENTER, GULFPORT, MISSISSIPPI				4. PROJECT TITLE BARRACKS		
5. PROGRAM ELEMENT 0804731N		6. CATEGORY CODE 721.14	7. PROJECT NUMBER P-723		8. PROJECT COST (\$000) 7,100	
9. COST ESTIMATE						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
BARRACKS . . . . .	SF	73,000	81.00	5,910		
SUPPORTING FACILITIES. . . . .	-	-	-	500		
UTILITIES. . . . .	LS	-	-	( 110)		
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 390)		
SUBTOTAL . . . . .	-	-	-	6,410		
CONTINGENCY (5%) . . . . .	-	-	-	320		
TOTAL CONTRACT COST. . . . .	-	-	-	6,730		
SUPERVISION, INSPECTION AND OVERHEAD (5.5%). . . . .	-	-	-	370		
TOTAL REQUEST. . . . .	-	-	-	7,100		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION Three-story steel-frame dormitory building, concrete foundation and floors, masonry walls with brick and stucco facing, air conditioning, fire protection and alarm systems, utilities; semi-open-bay living compartments concept. Grade mix: 424 E1-E4. Total: 424.						
11. REQUIREMENT: 424 PN. ADEQUATE: 0 PN. SUBSTANDARD: 0 PN. PROJECT: Provides adequate billeting for 424 enlisted personnel. (Current mission.) REQUIREMENT: Adequate housing for enlisted "A" school students assigned construction trades training at this center. CURRENT SITUATION: All "A" school students are being berthed in four 45-year old wood-frame, inadequate barracks beyond economical repair. A new construction deficiency of 424 adequate billeting spaces exists. This project will satisfy the current projected space deficit. IMPACT IF NOT PROVIDED: Continued use of existing barracks will degrade the safety, training, productivity, morale, and health of students. First-term retention rate for personnel attending "A" schools at Gulfport will possibly decline. Loss of one of the existing barracks because of structural failure would seriously hamper the mission of this center.						
(Continued on DD 1391c)						



1. COMPONENT	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		
3. INSTALLATION AND LOCATION		
NAVAL CONSTRUCTION TRAINING CENTER, GULFPORT, MISSISSIPPI		
4. PROJECT TITLE		5. PROJECT NUMBER
BARRACKS		P-723
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... <u>11-88</u></p> <p>(b) Percent Complete as of January 1990..... <u>100</u></p> <p>(c) Date Design 35% Complete..... <u>5-89</u></p> <p>(d) Date Design Complete..... <u>1-90</u></p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes _____ No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( <u>200</u> )</p> <p>(b) All Other Design Costs..... ( <u>65</u> )</p> <p>(c) Total..... <u>265</u></p> <p>(d) Contract..... ( <u>40</u> )</p> <p>(e) In-house..... ( <u>225</u> )</p> <p>(4) Construction start..... <u>12-90</u></p> <p style="text-align: right;">(month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION  NAVAL AIR STATION, FALLON, NEVADA					4. COMMAND  COMMANDER IN CHIEF, PACIFIC FLEET			5. AREA CONSTR. COST INDEX  1.34			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88		87	755	319	20	0	0	285	1245	0	2731
b. END FY 1994		114	780	353	20	0	0	285	1245	0	2817
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 141,060)											
b. INVENTORY TOTAL AS OF 30 SEP 88 85,660											
c. AUTHORIZATION NOT YET IN INVENTORY 75,720											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 3,340											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0											
f. PLANNED IN NEXT THREE PROGRAM YEARS 11,930											
g. REMAINING DEFICIENCY 11,000											
h. GRAND TOTAL 197,650											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE						
134.70	RANGE AIR SURVEILLANCE SYS	LS	3,340	04/88	03/89						
	TOTAL		3,340								
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM NONE											
B. MAJOR PLANNED NEXT THREE YEARS:											
841.09	WATER TREATMENT SYS	300 SF	750								
211.05	MAINT HANGAR	LS	9,000								
721.11	BEO MODERNIZATION	330 PN	2,180								
10. MISSION OR MAJOR FUNCTIONS											
Maintains and operates facilities and provides services and materials to support aerial weapons training for fleet squadrons and carrier air wings on rotational deployments.											
Navy Strike Warfare Center											
Four air-to-ground ranges											
One electronic warfare range											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 870											
B: INSTALLATION RESTORATION 44,330											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL AIR STATION, FALLON, NEVADA</b>			4. PROJECT TITLE <b>RANGE AIR SURVEILLANCE SYSTEM</b>		
5. PROGRAM ELEMENT <b>0204696N</b>	6. CATEGORY CODE <b>134 70</b>	7. PROJECT NUMBER <b>P-282</b>	8. PROJECT COST (\$000) <b>3,340</b>		
<b>9. COST ESTIMATES</b>					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
RANGE AIR SURVEILLANCE SYSTEM. . . . .	LS	-	-	760	
SUPPORTING FACILITIES. . . . .	-	-	-	2,260	
ELECTRICAL UTILITIES. . . . .	LS	-	-	(1,370)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 890)	
SUBTOTAL. . . . .	-	-	-	3,020	
CONTINGENCY (5%). . . . .	-	-	-	150	
TOTAL CONTRACT COST. . . . .	-	-	-	3,170	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .	-	-	-	170	
TOTAL REQUEST. . . . .	-	-	-	3,340	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(18,000)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Three fixed radar sites including concrete pads, fence, transformer, generator, access road, and electric power transmission line.					
11. REQUIREMENT: <u>As Required.</u>					
<u>PROJECT:</u> Provides site preparation and support facilities for three separated air traffic control radar units. (Current mission.)					
<u>REQUIREMENT:</u> All areas of concentrated air traffic, military and civilian, require ground-based radar tracking equipment to facilitate safe separation among scheduled and unscheduled air traffic. Fallon is required to provide real-time air space management within its Special Use Airspace (SUA) complex, which comprises eight restricted areas, five military operating areas, a supersonic operating area and a civil air corridor. These sites will provide essential range surveillance and air traffic advisory assistance to both the military and civilian pilots. This system will provide the air traffic controller a means to take positive action to alleviate potentially hazardous situations, and provide improved air traffic safety within those areas where the greatest concentration of air traffic occupies the least amount of airspace.					
<u>CURRENT SITUATION:</u> The existing air traffic radar systems provide very limited coverage of the Fallon SUA. Two of the radars are long-range, but have relatively long periods (12 seconds) between updates. These systems are adequate for high-altitude commercial air traffic operating on charted airways, but are not capable of tracking high-speed-maneuvering military aircraft. The third radar has a much shorter update period, but is strictly					
(Continued on DD 1391c)					

1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																														
3. INSTALLATION AND LOCATION NAVAL AIR STATION, FALLON, NEVADA																																
4. PROJECT TITLE RANGE AIR SURVEILLANCE SYSTEM	5. PROJECT NUMBER P-282																															
<p>11. REQUIREMENT: (Continued)  <u>CURRENT SITUATION:</u> (Continued)  utilized as area approach radar for the immediate vicinity of the airfield.  <u>IMPACT IF NOT PROVIDED:</u> This project is critical to the low-altitude, safe separation of military and civil aircraft in areas of high air traffic congestion. This concern is of such importance that potential near-miss situations or mid-air collision between military and civil aircraft in the Fallon airspace complex will result in broad scale adverse publicity and substantial litigation against the Navy. Long-term improvement toward air safety within the Navy's finest air training complex will not be realized.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p style="margin-left: 40px;">(1) Status:</p> <table style="margin-left: 80px; border-collapse: collapse;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">4-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">9-88</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">3-89</td> </tr> </table> <p style="margin-left: 40px;">(2) Basis:</p> <table style="margin-left: 80px; border-collapse: collapse;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;">N/A</td> </tr> </table> <p style="margin-left: 40px;">(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="margin-left: 80px; border-collapse: collapse;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 150 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 295 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">445</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 425 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 20 )</td> </tr> </table> <p style="margin-left: 40px;">(4) Construction start..... <span style="float: right;">11-90</span>  <span style="float: right;">(month and year)</span></p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="margin-left: 80px; border-collapse: collapse; width: 100%;"> <thead> <tr> <th style="text-align: left;">Equipment Nomenclature</th> <th style="text-align: left;">Procuring Appropriation</th> <th style="text-align: left;">Fiscal Year Appropriated or Requested</th> <th style="text-align: left;">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Operational Communication Systems</td> <td>OPN</td> <td>1989</td> <td>18,000</td> </tr> </tbody> </table>			(a) Date Design Started.....	4-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	9-88	(d) Date Design Complete.....	3-89	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	( 150 )	(b) All Other Design Costs.....	( 295 )	(c) Total.....	445	(d) Contract.....	( 425 )	(e) In-house.....	( 20 )	Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	Operational Communication Systems	OPN	1989	18,000
(a) Date Design Started.....	4-88																															
(b) Percent Complete as of January 1990.....	100																															
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(d) Date Design Complete.....	3-89																															
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																															
(b) Where Design Was Most Recently Used:	N/A																															
(a) Production of Plans and Specifications.....	( 150 )																															
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(c) Total.....	445																															
(d) Contract.....	( 425 )																															
(e) In-house.....	( 20 )																															
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)																													
Operational Communication Systems	OPN	1989	18,000																													

1. COMPONENT NAVY		FY 1981 <b>MILITARY CONSTRUCTION PROGRAM</b>				2. DATE				
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, EARLE, NEW JERSEY				4. COMMAND NAVAL SEA SYSTEMS COMMAND		5. AREA CONSTR. COST INDEX 1 11				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	69	1183	747	0	0	0	0	0	0	1979
b. END FY 1994	120	2333	747	0	0	0	0	0	0	3200

7. INVENTORY DATA (\$000)	
a. TOTAL ACREAGE	( 11,158 )
b. INVENTORY TOTAL AS OF 30 SEP 88	81,930
c. AUTHORIZATION NOT YET IN INVENTORY	73,980
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	20,000
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	15,100
f. PLANNED IN NEXT THREE PROGRAM YEARS	46,610
g. REMAINING DEFICIENCY	14,550
h. GRAND TOTAL	252,170

8. PROJECTS REQUESTED IN THIS PROGRAM:						
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE	
151.10	TRESTLES REPLACE (INCR I)	LS	20,000	06/89	07/90	
	TOTAL		20,000			

9. FUTURE PROJECTS:			
A. INCLUDED IN FOLLOWING PROGRAM			
148.25	TRUCK HOLDING YARD	LS	1,000
151.10	TRESTLES REPLACE (INCR II)	LS	14,100
	TOTAL		15,100
B. MAJOR PLANNED NEXT THREE YEARS:			
151.10	TRESTLES REPLACE (INCR III)	LS	36,700
421.72	MISSILE MAGAZINES	18,000 SF	4,460
421.72	MISSILE MAGAZINE	LS	2,000

10. MISSION OR MAJOR FUNCTIONS:	
Receive, renovate, maintain, store, and issue ammunition, explosives, expendable ordnance items, weapons, and technical ordnance material. Maintain basic and war reserve ammunition stocks. Act as overseas ammunition transshipment point for Armed Forces. Conduct RDT&E in-service engineering and fleet support for packaging, handling, storage, and transportation of ammunition. Provide logistics and port terminal services in support of homeported ammunition ships.	

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)	
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	39,690
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT <b>NAVY</b>		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL WEAPONS STATION, EARLE, NEW JERSEY</b>			4. PROJECT TITLE <b>TRESTLES REPLACEMENT (INCREMENT I)</b>		
5. PROGRAM ELEMENT <b>0702096N</b>	6. CATEGORY CODE <b>151.10</b>	7. PROJECT NUMBER <b>P-949</b>	8. PROJECT COST (\$000) <b>20,000</b>		
<b>9. COST ESTIMATES</b>					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
TRESTLES REPLACEMENT . . . . .	LS	-	-	<u>18,060</u>	
SUBTOTAL . . . . .	-	-	-	18,060	
CONTINGENCY (5%) . . . . .	-	-	-	<u>900</u>	
TOTAL CONTRACT COST. . . . .	-	-	-	18,960	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	<u>1,040</u>	
TOTAL REQUEST. . . . .	-	-	-	20,000	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)		( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Construct adjacent to existing trestles 1 and 2, a segment of a new reinforced concrete trestle, 46-feet wide, on concrete piles, with two railroad tracks, two-lane roadway, and utilities.					
11. REQUIREMENT: <u>As Required.</u>					
PROJECT: Replaces segment of two trestles extending from the shoreline outward into Sandy Hook Bay to juncture with existing trestle 4, a distance of approximately two miles. (Current mission.)					
REQUIREMENT: Trestles built in 1944 show signs of severe structural deterioration and must be replaced for safe access to the offshore piers to accommodate the mission of ordnance loading and homeporting. Ordnance is transported by both truck and railcar over these trestles enroute to and from storage magazines in the inland area of the weapons station. Homeport plan includes berthing three ammunition ships (AE's) and two fast combat support ships (AOE's) which resupply the Atlantic Fleet while underway with ammunition, fuel and other vital provisions. This is the first of three planned increments to totally replace trestles 1 and 2 from shore to trestle 4. Funding for increments II and III will be requested in Fiscal Years 1992 and 1993.					
CURRENT SITUATION: Structural testing and analysis of existing trestles 1 and 2 show significant areas of deterioration currently, with accelerating deterioration of the concrete deck, caused by freeze-thaw cycles. The remaining life of the concrete deck may be limited to five more freeze-thaw					
(Continued on DD 1391c)					

1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, EARLE, NEW JERSEY		
4. PROJECT TITLE TRESTLES REPLACEMENT (INCREMENT I)	5. PROJECT NUMBER P-949	
<p>11. REQUIREMENT: (Continued)  CURRENT SITUATION: (Continued)  cycles or about five years. Weight limitations have been placed on trucks and railcars resulting in increased loading times and cost.  <u>IMPACT IF NOT PROVIDED:</u> The Navy will not have safe access from shore to the pier complex at the end of trestles 1 and 2 for transport of ammunition, supplies and personnel.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> (1) Status:  (a) Date Design Started..... 6-89  (b) Percent Complete as of January 1990..... 50  (c) Date Design 35% Complete..... 10-89  (d) Date Design Complete..... 7-90 </div> <div style="margin-left: 80px;"> (2) Basis:  (a) Standard or Definitive Design: Yes _____ No <u>X</u>  (b) Where Design Was Most Recently Used: <u>N/A</u> </div> <div style="margin-left: 80px;"> (3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)  (a) Production of Plans and Specifications..... ( 3000 )  (b) All Other Design Costs..... ( 250 )  (c) Total..... 3250  (d) Contract..... ( 3000 )  (e) In-house..... ( 250 ) </div> <div style="margin-left: 80px;"> (4) Construction start..... 12-90  (month and year) </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION NAVAL ORDNANCE MISSILE TEST STATION, WHITE SANDS, NEW MEXICO					4. COMMAND NAVAL SEA SYSTEMS COMMAND			5. AREA CONSTR. COST INDEX 1.00		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	6	65	60	0	0	0	0	0	0	131
b. END FY 1994	5	70	60	0	0	0	0	0	0	135
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 85 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 7,090										
c. AUTHORIZATION NOT YET IN INVENTORY 8,090										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 600										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS 1,500										
g. REMAINING DEFICIENCY 1,500										
h. GRAND TOTAL 18,780										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
371.15	GUN TEST RANGE				LS	600	03/89 09/89			
	TOTAL					600				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS:										
421.72	STANDARD MISSILE MAGAZINE				LS	1,500				
10. MISSION OR MAJOR FUNCTIONS:										
Conduct and support Navy guided missile, rocket, gun and directed energy programs, including ground and flight testing and participate in operation of DOD missile test range at White Sands.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										



1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION DIRECTOR 1ST MARINE CORPS DISTRICT, GARDEN CITY, NEW YORK				4. COMMAND COMMANCANT OF THE MARINE CORPS			5. AREA CONSTR. COST INDEX 1.29			
6. PERSONNEL STRENGTH	PERMANENT                      STUDENTS                      SUPPORTED									TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
	a. AS OF 09/30/88	51	449	42	2	0	0	3	12	0
b. END FY 1994	51	449	42	2	0	0	3	12	0	559
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 7 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 950										
c. AUTHORIZATION NOT YET IN INVENTORY 620										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 440										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS 0										
g. REMAINING DEFICIENCY 0										
h. GRAND TOTAL 2,010										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE				
872.10	PHYSICAL SECURITY IMPROVES			LS	440	09/88 06/89				
	TOTAL				440					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS: NONE										
10. MISSION OR MAJOR FUNCTIONS										
Provides facilities for First Marine Corps district, which supervises Marine Corps recruiting in New York and New England, and for units of the selected Marine Corps Reserve.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION  MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA					4. COMMAND  COMMANDANT OF THE MARINE CORPS			5. AREA CONSTR. COST INDEX  .92			
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1994		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
		248	2531	2821	48	3311	0	2215	28929	1724	
		497	3099	2496	197	3794	0	1934	28135	1552	41704
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 87,380)											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 560,820											
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 119,750											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 41,580											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 51,900											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 48,110											
g. REMAINING DEFICIENCY . . . . . 361,490											
h. GRAND TOTAL . . . . . 1,183,650											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
171.20		MECHANICS TRG BDG-INCR III				34,010 SF	3,000	03/88	08/89		
214.53		FIELD MAINTENANCE COMPLEX				210,300 SF	20,900	12/88	06/90		
217.10		ELEC COMM MAINT SHOPS				26,010 SF	4,100	02/87	01/88		
721.11		BACHELOR ENLISTED QUARTERS				192,850 SF	13,580	12/88	06/90		
		TOTAL					41,580				
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
124.50		VEHICLE-READY FUEL STORAGE				154,000 GA	1,800				
171.20		APPLIED INSTRUCTION BLDG				34,730 SF	4,200				
214.51		COMBAT VEH MAINT SHOP				14,820 SF	3,900				
217.10		ELEC COMM MAINT SHOP				4,760 SF	2,000				
911.10		LAND ACQUISITION				LS	40,000				
		TOTAL					51,900				
10. MISSION OR MAJOR FUNCTIONS:											
Provide housing, training facilities, logistics support, and certain administrative support for Fleet Marine Force units and other units assigned. Conduct specialized schools for other training as directed											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 18,600											
B: INSTALLATION RESTORATION 27,020											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH) 2,000											

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA			4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		
5. PROGRAM ELEMENT 0206496M	6. CATEGORY CODE 721.11	7. PROJECT NUMBER P-630	8. PROJECT COST (\$000) 13,580		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
BACHELOR ENLISTED QUARTERS . . . . .	SF	192,850	-	10,370	
BUILDING . . . . .	SF	113,040	61.00	(6,900)	
BUILDING CONVERSION. . . . .	SF	79,810	43.00	(3,470)	
SUPPORTING FACILITIES. . . . .	-	-	-	1,890	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	(200)	
ELECTRICAL UTILITIES . . . . .	LS	-	-	(260)	
MECHANICAL UTILITIES . . . . .	LS	-	-	(320)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	(800)	
DEMOLITION . . . . .	LS	-	-	(310)	
SUBTOTAL . . . . .	-	-	-	12,260	
CONTINGENCY (5%) . . . . .	-	-	-	610	
TOTAL CONTRACT COST. . . . .	-	-	-	12,870	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	710	
TOTAL REQUEST. . . . .	-	-	-	13,580	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Two three-story reinforced concrete frame buildings, pile foundations, concrete floors, masonry walls with brick facing, built-up roof on rigid insulation, fire protection systems, air conditioning, utilities; recreation field; 144 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; conversion of three buildings; demolition of seven buildings.</p> <p>Grade Mix: 480 E1-E4, 28 E5, 10 E6-E9. Total: 518.</p>					
11. REQUIREMENT: 24,698 PN. ADEQUATE: 15,571 PN. SUBSTANDARD: 8,022 PN.					
PROJECT: Provides adequate billeting for enlisted personnel. (Current mission.)					
REQUIREMENT: Adequate housing for unaccompanied enlisted personnel of the 2nd Marine Division and the 8th Marine Regiment.					
CURRENT SITUATION: Existing billeting is comprised of inadequate, 45-year old open squad-bay barracks with communal heads and showers. A replacement program began in 1978. This is the last increment of the planned replacement sequence for barracks which do not meet DOD habitability requirements.					
IMPACT IF NOT PROVIDED: Enlisted Marines will continue to live in inadequate barracks with a resulting detrimental impact on morale and the Marine Corps' ability to retain trained Marines in an all volunteer service.					
(Continued on DD 1391c)					

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA			
4. PROJECT TITLE		5. PROJECT NUMBER	
BACHELOR ENLISTED QUARTERS		P-630	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... 12-88			
(b) Percent Complete as of January 1990..... 75			
(c) Date Design 35% Complete..... 7-89			
(d) Date Design Complete..... 6-90			
(2) Basis:			
(a) Standard or Definitive Design: Yes No X			
(b) Where Design Was Most Recently Used: N/A			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( 0 )			
(b) All Other Design Costs..... ( 440 )			
(c) Total..... 440			
(d) Contract..... ( 20 )			
(e) In-house..... ( 420 )			
(4) Construction start..... 1-91			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA			4. PROJECT TITLE ELECTRONICS COMMUNICATIONS MAINTENANCE SHOPS		
5. PROGRAM ELEMENT 0206496M		6. CATEGORY CODE 217.10		7. PROJECT NUMBER P-679	
				8. PROJECT COST (\$000) 4,100	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
ELECTRONICS COMMUNICATIONS MAINTENANCE SHOPS		SF	26,010	-	2,400
BUILDING . . . . .		SF	26,010	78.00	(2,020)
BUILT-IN EQUIPMENT . . . . .		LS	-	-	( 300)
TECHNICAL OPERATING MANUALS. . . . .		LS	-	-	( 80)
SUPPORTING FACILITIES. . . . .		-	-	-	1,310
ELECTRICAL UTILITIES . . . . .		LS	-	-	( 420)
MECHANICAL UTILITIES . . . . .		LS	-	-	( 650)
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 240)
SUBTOTAL . . . . .		-	-	-	3,710
CONTINGENCY (5%) . . . . .		-	-	-	180
TOTAL CONTRACT COST. . . . .		-	-	-	3,890
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .		-	-	-	210
TOTAL REQUEST. . . . .		-	-	-	4,100
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-(NON-ADD)	-	( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One one-story and one partial two-story steel reinforced masonry buildings, concrete foundations and floors, built-up roof over rigid insulation on steel decking, roll-up doors, bridge crane and monorail hoists in high-bay area, compressed air, 400 Hz electric power, grounding, radio-frequency shielding, exhaust systems, wash aprons, security fencing, perimeter lighting, access road, fire protection system, air conditioning, utilities.					
11. REQUIREMENT: <u>33,840</u> SF. ADEQUATE: <u>7,830</u> SF. SUBSTANDARD: <u>0</u> SF.					
PROJECT: Provides two electronics and communications maintenance facilities. (Current mission.)					
REQUIREMENT: Adequate electronics and communications maintenance facilities to support third and fourth echelon maintenance for the Second Maintenance Battalion and first and second echelon maintenance for the Landing Support Battalion. The maintenance battalion performs major maintenance on 1,500 pieces of equipment including mounted radios, cryptographic equipment, and micro-miniature printed circuit boards. In addition, they are responsible for the calibration of all organic electronic and communication gear. Approximately 175 marines are assigned to this unit. The Landing Support Battalion performs first and second echelon maintenance on a variety of equipment including vehicle mounted frequency converters, mine detectors, and related hardware. There are 69 marines assigned to this unit.					
CURRENT SITUATION: The maintenance battalion is currently working in a building which was constructed for a motor transportation battalion					
(Continued on DD 1391c)					

1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																						
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA																								
4. PROJECT TITLE ELECTRONICS COMMUNICATIONS MAINTENANCE SHOPS		5. PROJECT NUMBER P-679																						
<p>11. REQUIREMENT: (Continued)  <u>CURRENT SITUATION:</u> (Continued)  in the 1950's. It is not designed or adaptable for optimum electronic communications maintenance operations. The building is inadequate from a health and safety, as well as a sanitation standpoint. High ceilings prevent the facility from maintaining the desired 68 degree temperature necessary for electronic testing and calibration. Additionally, there is a deficiency of electrical outlets and a lack of adequate storage space. The present facility is located in the Hadnot Point area, over two miles away from the main operational area of French Creek. The Landing Support Battalion is also working out of several masonry and metal buildings constructed in the 1950's which are not conducive to performing electronics and communications maintenance. There is no humidity control for electronic testing and there is a lack of adequate storage for the over 100 types of electronic and communication items being maintained. The building also lacks proper ceiling, door height and bay size, electrical service, lighting, and work areas.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Maintenance work will continue to be performed in scattered inadequate buildings, causing protracted maintenance efforts with a resulting increase in deadlined equipment. The combat readiness posture will be adversely affected.</p>																								
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">2-87</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">7-87</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">1-88</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 220 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 110 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">330</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 280 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 50 )</td> </tr> </table> <p>(4) Construction start..... <span style="float: right;">12-90</span>  <span style="float: right;">(month and year)</span></p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Date Design Started.....	2-87	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	7-87	(d) Date Design Complete.....	1-88	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	( 220 )	(b) All Other Design Costs.....	( 110 )	(c) Total.....	330	(d) Contract.....	( 280 )	(e) In-house.....	( 50 )
(a) Date Design Started.....	2-87																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	7-87																							
(d) Date Design Complete.....	1-88																							
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	N/A																							
(a) Production of Plans and Specifications.....	( 220 )																							
(b) All Other Design Costs.....	( 110 )																							
(c) Total.....	330																							
(d) Contract.....	( 280 )																							
(e) In-house.....	( 50 )																							

1. COMPONENT NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA			4. PROJECT TITLE FIELD MAINTENANCE COMPLEX		
5. PROGRAM ELEMENT 0206496M	6. CATEGORY CODE 214.53	7. PROJECT NUMBER P-804	8. PROJECT COST (\$000) 20,900		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
FIELD MAINTENANCE COMPLEX. . . . .	SF	210,300	-	16,660	
BUILDING . . . . .	SF	210,300	69.00	(14,630)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 1,970)	
TECHNICAL OPERATING MANUALS. . . . .	LS	-	-	( 60)	
SUPPORTING FACILITIES. . . . .	-	-	-	2,210	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 120)	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 140)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 240)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 1,710)	
SUBTOTAL . . . . .	-	-	-	18,870	
CONTINGENCY (5%) . . . . .	-	-	-	940	
TOTAL CONTRACT COST. . . . .	-	-	-	19,810	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	1,090	
TOTAL REQUEST. . . . .	-	-	-	20,900	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Two-story reinforced concrete and masonry building, pile foundation, engineered fill, concrete floors, membrane roof over insulation, high-bay area with monorails and hoists, bridge crane, dehumidification, compressed dry air system, engine exhaust system, 400 Hz electric power, vehicle lifts, 28V DC electric power, security lighting and fencing, lubrication dispensing, hardened weapons repair area, storage area, fire protection system, air conditioning, ventilation, intrusion detection system, paint booth, utilities.					
11. REQUIREMENT: 210,300 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF. PROJECT: Constructs a field maintenance shop complex for maintaining and repairing all east coast Fleet Marine Force ground equipment. (Current mission.) REQUIREMENT: Adequate and properly-configured facilities for the 2d Maintenance Battalion to perform its mission of field maintenance on all East Coast Marine ground equipment including wheeled and tracked vehicles (tanks, light armored vehicles, trucks, etc.), ordnance (small arms, artillery and tank weaponry), heavy construction and materials handling equipment (bulldozers, cranes, etc.), and communications and electronics equipment. The 2d Maintenance Battalion provides field maintenance support for the 2d Marine Division and 2d Force Service Support Group located at Camp Lejeune, NC and the 2d Marine Air Wing elements located at Cherry Point, NC; New River, NC; and Beaufort, SC. (Continued on DD 1391c)					

1. COMPONENT	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE																						
NAVY																									
3. INSTALLATION AND LOCATION																									
MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA																									
4. PROJECT TITLE		5. PROJECT NUMBER																							
FIELD MAINTENANCE COMPLEX		P-804																							
<p>11. REQUIREMENT: (Continued)</p> <p><b>CURRENT SITUATION:</b> The 2d Maintenance Battalion presently performs field maintenance in four converted warehouses, a 45-year old maintenance depot, and a small metal building. These facilities are scattered throughout the industrial area of Camp Lejeune. Artillery and ordnance maintenance is being performed at several areas within the indicated facilities. Many buildings are physically too small to allow new items of equipment to enter and allow maintenance to be carried on indoors. Staging areas for equipment to be repaired are also scattered throughout the industrial area. Scattered location of, and makeshift substitute work spaces, cause cumbersome and uncoordinated work efforts severely hampering the mission of this battalion.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Maintenance activities will remain impaired because existing facilities cannot accommodate state-of-the-art items of equipment because of size, density and increased complexity.</p>																									
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">12-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">75</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">7-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">6-90</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;"><u>N/A</u></td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 800 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 300 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">1100</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 1000 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 100 )</td> </tr> </table> <p>(4) Construction start..... <span style="float: right;">11-90</span> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>				(a) Date Design Started.....	12-88	(b) Percent Complete as of January 1990.....	75	(c) Date Design 35% Complete.....	7-89	(d) Date Design Complete.....	6-90	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( 800 )	(b) All Other Design Costs.....	( 300 )	(c) Total.....	1100	(d) Contract.....	( 1000 )	(e) In-house.....	( 100 )
(a) Date Design Started.....	12-88																								
(b) Percent Complete as of January 1990.....	75																								
(c) Date Design 35% Complete.....	7-89																								
(d) Date Design Complete.....	6-90																								
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																								
(b) Where Design Was Most Recently Used:	<u>N/A</u>																								
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(c) Total.....	1100																								
(d) Contract.....	( 1000 )																								
(e) In-house.....	( 100 )																								



1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA			4. PROJECT TITLE MECHANICS TRAINING BUILDING (INCREMENT III)		
5. PROGRAM ELEMENT 0206496M	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-810	8. PROJECT COST (\$000) 3,000		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
MECHANICS TRAINING BUILDING. . . . .	SF	34,010	-	2,450	
BUILDING. . . . .	SF	34,010	66.00	(2,250)	
BUILT-IN EQUIPMENT. . . . .	LS	-	-	( 200)	
SUPPORTING FACILITIES. . . . .	-	-	-	250	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 50)	
UTILITIES. . . . .	LS	-	-	( 50)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 150)	
SUBTOTAL. . . . .	-	-	-	2,700	
CONTINGENCY (5%). . . . .	-	-	-	140	
TOTAL CONTRACT COST. . . . .	-	-	-	2,840	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .	-	-	-	160	
TOTAL REQUEST. . . . .	-	-	-	3,000	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)	-	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One-story reinforced concrete and masonry building, pile foundation, concrete floor, built-up roof on insulation over metal decking, high-bay area with monorail and hoist, sound attenuation, compressed air, exhaust systems, lift-lube dispensing equipment, fire protection system, air conditioning, utilities.					
11. REQUIREMENT: 108,670 SF. ADEQUATE: 74,660 SF. SUBSTANDARD: 0 SF. PROJECT: Constructs the third of three increments for applied and academic instruction facilities for the Marine Corps Mechanics School. (Current mission.) REQUIREMENT: Adequate and properly-configured facilities for training military personnel in second, third, and fourth echelon maintenance of Marine Corps motor transport equipment. Both academic and applied instruction will be accomplished in this facility. This is the only formal mechanics school in the Marine Corps, employing 64 full-time instructors and training over 1,580 students annually. It is anticipated the workload will increase as the Field Logistic System is introduced into the Marine Corps. This system is comprised of several sub-systems such as motor transportation, material handling, container and shelter logistics. The Mechanics Training School utilizes the motor transportation sub-system. This project is designed to accommodate the training procedures of the various new motor transport systems developed in recent years, such as the					

(Continued on DD 1391c)

1. COMPONENT  NAVY	<b>FY 19_91 MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
3. INSTALLATION AND LOCATION  MARINE CORPS BASE, CAMP LEJEUNE, NORTH CAROLINA		
4. PROJECT TITLE  MECHANICS TRAINING BUILDING (INCREMENT III)	5. PROJECT NUMBER  P-810	
<p>11. REQUIREMENT: (Continued)  <u>REQUIREMENT:</u> (Continued)  Dragon Wagon and the HumVee's. This facility will also provide training in the repair and organizational maintenance of track and wheeled vehicles.  <u>CURRENT SITUATION:</u> The existing Mechanics Training School is located in converted 40 year-old storage facilities, mess halls, barracks, and a variety of enclosed metal structures. These facilities are located at least one mile from each other, are functionally obsolete, and too dispersed for efficient utilization. Many were built without utilities and plumbing. During the summer, these facilities reach over 100 degrees in the classrooms and laboratories, and during the winter, these buildings are quite uncomfortable. Some of the new type vehicles barely fit inside the existing facilities. There are no other facilities which can be used for this purpose.  <u>IMPACT IF NOT PROVIDED:</u> Continue training Marine Corps personnel in crowded, inefficient, and inadequate facilities impairing the effectiveness and readiness of the Marine Corps. The inadequacy of school facilities will continue to be aggravated with the introduction of new vehicular equipment into the Marine Corps inventory.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 20px;">a. Estimate design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 40px;"> (1) Status:  (a) Date Design Started..... 3-88  (b) Percent Complete as of January 1990..... 100  (c) Date Design 33% Complete..... 10-88  (d) Date Design Complete..... 8-89 </div> <div style="margin-left: 40px;"> (2) Basis:  (a) Standard or Definitive Design: Yes _____ No <u>X</u>  (b) Where Design Was Most Recently Used: <u>N/A</u> </div> <div style="margin-left: 40px;"> (3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)  (a) Production of Plans and Specifications..... ( 160 )  (b) All Other Design Costs..... ( 80 )  (c) Total..... 240  (d) Contract..... ( 200 )  (e) In-house..... ( 40 ) </div> <div style="margin-left: 40px;"> (4) Construction start..... 12-90  <div style="text-align: right;">(month and year)</div> </div> <p style="margin-left: 20px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA				4. COMMAND COMMANDANT OF THE MARINE CORPS			5. AREA CONSTR. COST INDEX .96			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	208	1039	4777	110	305	0	911	7728	1876	16954
b. END FY 1994	226	1051	5019	107	292	0	966	7686	1603	16950
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 27,696)										
b. INVENTORY TOTAL AS OF 30 SEP 88 323,080										
c. AUTHORIZATION NOT YET IN INVENTORY 100,350										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 10,400										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 7,600										
f. PLANNED IN NEXT THREE PROGRAM YEARS 23,840										
g. REMAINING DEFICIENCY 254,530										
h. GRAND TOTAL 719,800										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN START	STATUS COMPLETE			
179.10	A/C BOMBING RANGE-INCR III			LS	1,050	10/88	09/89			
610.71	REGIMENTAL GROUP HEADQTRS			13,190 SF	1,750	01/87	09/89			
841.10	WATER TREATMENT FACILITY			LS	7,600	11/88	01/90			
	TOTAL				10,400					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
211.06	MAINT HANGAR RENOVATION			35,150 SF	4,250					
441.12	AVIATION SUPPLY WAREHOUSE			14,800 SF	1,150					
610.71	OPERS/MAINT FACILITY			18,600 SF	2,200					
	TOTAL				7,600					
B. MAJOR PLANNED NEXT THREE YEARS:										
131.15	COMMUNICATIONS CENTER			LS	560					
214.51	AUTO ORGANIZATIONAL SHOP			21,110 SF	4,650					
10. MISSION OR MAJOR FUNCTIONS:										
Maintain and operate facilities and provide services and materials to support the operations of a Marine Aircraft Wing, or units thereof, and other activities and units as designated by the Commandant of the Marine Corps in coordination with the Chief of Naval Operations.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 33,660										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 300										

1. COMPONENT <b>NAVY</b>	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA</b>		4. PROJECT TITLE <b>AIRCRAFT BOMBING RANGE</b>		
5. PROGRAM ELEMENT <b>0206496M</b>	6. CATEGORY CODE <b>179.10</b>	7. PROJECT NUMBER <b>P-031</b>	8. PROJECT COST (\$000) <b>1.050</b>	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
AIRCRAFT BOMBING RANGE . . . . .	LS	-	-	950
SUBTOTAL . . . . .	-	-	-	950
CONTINGENCY (5%) . . . . .	-	-	-	50
TOTAL CONTRACT COST. . . . .	-	-	-	1,000
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	50
TOTAL REQUEST. . . . .	-	-	-	1,050
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(13,600)
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
<p>Site preparation including filled and graded areas with thirty-foot high tower platforms on which to mount emitter pedestal and control assemblies; access roads, security fencing, electric power.</p>				
<p>11. REQUIREMENT: <u>As Required.</u>  <b>PROJECT:</b> Provides site preparation and utilities for the installation of 20 electronic warfare emitters on the Mid-Atlantic Electronic Warfare Range, located on the northern end of Piney Island, including tower platforms, an access road network interfacing with existing roads and abandoned runways, and a secondary power distribution systems to the sites. (Current mission.)  <b>REQUIREMENT:</b> Expansion of the bombing range and the placement of 44 electronic warfare threat simulators in configuration to simulate the threat which may be encountered during an operation. Eleven major locations will be developed to install the emitters. The first project funded in the FY 1989 MILCON Program prepared the site and provided the ten-foot high platforms on which the simulator equipment will be placed for the first ten locations. The second project in FY 1990 will complete the eleventh major location for the installation of the emitters. This project continues the range upgrade by constructing the remaining towers, installing emitters, improving utilities, and providing access to the major sites. Additional emitters will be procured through FY 1994 using</p>				

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA																		
4. PROJECT TITLE AIRCRAFT BOMBING RANGE	5. PROJECT NUMBER F-031																	
<p>11. REQUIREMENT: (Continued)  non-MILCON funding. The bombing range presently serves as the major range for the Mid-Atlantic Coast in support of Navy, Air Force, and Marine Corps training missions. Nearby Atlantic Field provides a deployment field for helicopters and attack aircraft to conduct acquisition and ground control radar exercises. This versatile range is equipped to facilitate bombing and strafing missions on both land and sea-based simulated targets. Depending on the scenario to be presented to incoming aircraft, different emitters will be activated for various threat simulations. Because of the limitations presented by radiation hazard clearances, the individual sites must be spaced to allow for personnel safety. With the demand for power from each emitter, the use of generators is considered impractical. In order to provide the amount and quality of power required to operate the emitters, it is necessary to provide commercial power to the sites. The transmission of real-time data to the debriefing facility is necessary for the effective training of aircrews in realistic conditions.</p> <p><u>CURRENT SITUATION:</u> Existing facilities are not adequate to support the emitters. At present, the range is configured as a traditional bombing range using bullseye targets and simulated stationary targets. The use of remote-controlled mobile land and boat targets provides little realistic training. No electronic warfare emitters presently exist. Naval engagements in the Mediterranean Sea and the Persian Gulf have proven the value of training in a simulated electronic warfare environment.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The emitters scheduled for placement at this range will not have a source of commercial power and will, therefore, be unusable.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part I of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p style="margin-left: 40px;">(1) Status:</p> <table style="margin-left: 80px; border-collapse: collapse;"> <tr> <td style="padding-right: 20px;">(a) Date Design Started.....</td> <td style="border-bottom: 1px solid black; text-align: right;">10-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="border-bottom: 1px solid black; text-align: right;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="border-bottom: 1px solid black; text-align: right;">3-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="border-bottom: 1px solid black; text-align: right;">9-89</td> </tr> </table> <p style="margin-left: 40px;">(2) Basis:</p> <table style="margin-left: 80px; border-collapse: collapse;"> <tr> <td style="padding-right: 20px;">(a) Standard or Definitive Design:</td> <td style="padding-right: 20px;">Yes</td> <td style="padding-right: 20px;">No</td> <td style="border-bottom: 1px solid black; text-align: center;">X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3" style="border-bottom: 1px solid black; text-align: center;">N/A</td> </tr> </table> <p style="text-align: right; margin-right: 50px;">(Continued on DD 1391c)</p>			(a) Date Design Started.....	10-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	3-89	(d) Date Design Complete.....	9-89	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A		
(a) Date Design Started.....	10-88																	
(b) Percent Complete as of January 1990.....	100																	
(c) Date Design 35% Complete.....	3-89																	
(d) Date Design Complete.....	9-89																	
(a) Standard or Definitive Design:	Yes	No	X															
(b) Where Design Was Most Recently Used:	N/A																	

1. COMPONENT NAVY	2. DATE FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA									
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA										
4. PROJECT TITLE AIRCRAFT BOMBING RANGE		5. PROJECT NUMBER P-031								
12. SUPPLEMENTAL DATA: (Continued)  <div style="margin-left: 40px;">           (3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span>             (a) Production of Plans and Specifications..... ( <u>60</u> )                       (b) All Other Design Costs..... ( <u>70</u> )                       (c) Total..... <u>130</u>             (d) Contract..... ( <u>100</u> )                       (e) In-house..... ( <u>30</u> )         </div> <div style="margin-left: 40px;">           (4) Construction start..... <u>1-91</u>   <div style="text-align: right;">(month and year)</div> </div> <div style="margin-left: 40px;">           b. Equipment associated with this project which will be provided from other appropriations:         </div> <table style="width: 100%; margin-left: 40px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u> <u>Nomenclature</u></th> <th style="text-align: left;"><u>Procuring</u> <u>Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u></th> <th style="text-align: left;"><u>Cost</u> <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Radar Threat Emitters</td> <td>OPN</td> <td>1991 - 1994</td> <td>13,600</td> </tr> </tbody> </table>			<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u>	<u>Cost</u> <u>(\$000)</u>	Radar Threat Emitters	OPN	1991 - 1994	13,600
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u>	<u>Cost</u> <u>(\$000)</u>							
Radar Threat Emitters	OPN	1991 - 1994	13,600							

1. COMPONENT <b>NAVY</b>		2. DATE		
FY 1921 MILITARY CONSTRUCTION PROJECT DATA				
3. INSTALLATION AND LOCATION <b>MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA</b>		4. PROJECT TITLE <b>REGIMENTAL GROUP HEADQUARTERS</b>		
5. PROGRAM ELEMENT <b>0206496H</b>	6. CATEGORY CODE <b>610.71</b>	7. PROJECT NUMBER <b>P-883</b>	8. PROJECT COST (\$000) <b>1,750</b>	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
REGIMENTAL GROUP HEADQUARTERS. . . . .	SF	13,190	-	1,260
OPERATIONS BUILDING. . . . .	SF	11,630	86.00	(1,000)
SUPPORT BUILDING . . . . .	SF	1,560	166.00	( 260)
SUPPORTING FACILITIES. . . . .	-	-	-	320
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 50)
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 50)
MECHANICAL UTILITIES . . . . .	LS	-	-	( 170)
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 50)
SUBTOTAL . . . . .	-	-	-	1,580
CONTINGENCY (5%) . . . . .	-	-	-	80
TOTAL CONTRACT COST. . . . .	-	-	-	1,660
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	90
TOTAL REQUEST. . . . .	-	-	-	1,750
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
Two one-story reinforced concrete and masonry buildings, pile foundations, concrete floors, built-up roof over insulation on metal decking, fire protection system, air conditioning, utilities.				
11. REQUIREMENT: <u>38,230</u> SF. ADEQUATE: <u>25,040</u> SF. SUBSTANDARD: <u>0</u> SF. PROJECT: Provides operations and training facilities for Marine Wing Support Group 27 (MWSG 27) and Headquarters and Headquarters Squadron 27 (H&HS 27). (Current mission.) REQUIREMENT: Adequate and properly-configured facilities to house operational support functions for the 2nd Marine Air Wing. MWSG 27 is responsible for operational planning and coordination, logistics oversight and provisioning, personnel management, and all functions attendant to the command and control of an aviation ground support organization and five subordinate squadrons. H&HS 27 provides administrative, selected maintenance and supply support for assigned units of MWSG 27. CURRENT SITUATION: MWSG 27 and H&HS 27 are presently housed in leased trailers lacking toilet facilities, adequate operations and training space, and cannot accommodate electrical and telephone system development which would enhance command and control. IMPACT IF NOT PROVIDED: Continued utilization of trailers precludes the efficient functioning of the largest group in the 2nd Marine Aircraft Wing.				
(Continued on DD 1391.)				

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA			
4. PROJECT TITLE		5. PROJECT NUMBER	
REGIMENTAL GROUP HEADQUARTERS		P-883	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... 1-87			
(b) Percent Complete as of January 1990..... 100			
(c) Date Design 35% Complete..... 3-89			
(d) Date Design Complete..... 9-89			
(2) Basis:			
(a) Standard or Definitive Design: Yes No X			
(b) Where Design Was Most Recently Used: N/A			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( 95 )			
(b) All Other Design Costs..... ( 45 )			
(c) Total..... 140			
(d) Contract..... ( 120 )			
(e) In-house..... ( 20 )			
(4) Construction start..... 1-91			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			



1. COMPONENT NAVY		2. DATE			FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA			4. PROJECT TITLE WATER TREATMENT FACILITY				
5. PROGRAM ELEMENT 0206426M		6. CATEGORY CODE 841.10		7. PROJECT NUMBER P-017		8. PROJECT COST (\$000) 7,600	
9. COST ESTIMATES							
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)		
WATER TREATMENT FACILITY . . . . .		LS	-	-	3,340		
BUILDING . . . . .		SF	16,220	72.00	(1,150)		
BUILT-IN EQUIPMENT . . . . .		LS	-	-	(2,030)		
TECHNICAL OPERATING MANUALS. . . . .		LS	-	-	( 150)		
SUPPORTING FACILITIES. . . . .		-	-	-	3,520		
ELECTRICAL UTILITIES . . . . .		LG	-	-	( 160)		
MECHANICAL UTILITIES . . . . .		LS	-	-	(2,280)		
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 570)		
DEMOLITION . . . . .		LS	-	-	( 510)		
SUBTOTAL . . . . .		-	-	-	6,860		
CONTINGENCY (5%) . . . . .		-	-	-	340		
TOTAL CONTRACT COST. . . . .		-	-	-	7,200		
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .		-	-	-	400		
TOTAL REQUEST. . . . .		-	-	-	7,600		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-(NGN-ADD)		( 0)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION							
Two-story reinforced concrete and masonry building, pile foundation, concrete floor, membrane roof on insulation over metal decking, high-bay area with cranes and hoists, ventilation, air conditioning, fire protection systems, emergency electric power generators, utilities; treatment tanks, clearwell, water supply wells, storage; demolition of one building.							
11. REQUIREMENT: <u>As Required.</u>							
<u>PROJECT:</u> Constructs a water treatment facility to accommodate increased demand and provide more effective operation. (Current mission.)							
<u>REQUIREMENT:</u> An adequate water treatment plant producing sufficient quantities of potable water for domestic and industrial use without interruption.							
<u>CURRENT SITUATION:</u> The capacity of the existing water treatment plant is 4.5 million gallons per day. Current average demand is at capacity and peak demand exceeds capacity at certain times. The maximum filtration rate allowed by law is currently being exceeded on a daily basis by many of the filters.							
<u>IMPACT IF NOT PROVIDED:</u> The expected increased loading with additional station facilities cannot be accommodated. Frequent interruptions of water service will become commonplace.							
(Continued on DD 1391c)							

1. COMPONENT NAVY	2. DATE FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, CHERRY POINT, NORTH CAROLINA	
4. PROJECT TITLE WATER TREATMENT FACILITY	5. PROJECT NUMBER P-017
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... <u>11-88</u></p> <p>(b) Percent Complete as of January 1990..... <u>100</u></p> <p>(c) Date Design 35% Complete..... <u>5-89</u></p> <p>(d) Date Design Complete..... <u>1-90</u></p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes <u>    </u> No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( <u>400</u> )</p> <p>(b) All Other Design Costs..... ( <u>300</u> )</p> <p>(c) Total..... <u>700</u></p> <p>(d) Contract..... ( <u>600</u> )</p> <p>(e) In-house..... ( <u>100</u> )</p> <p>(4) Construction start..... <u>1-91</u> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>	

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION NAVAL STATION, PHILADELPHIA, PENNSYLVANIA				4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET		5. AREA CONSTR. COST INDEX 1.08				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	310	2613	260	0	0	0	23	1007	0	4213
b. END FY 1994	276	2494	260	0	0	0	23	882	0	4035
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 0 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 70,050										
c. AUTHORIZATION NOT YET IN INVENTORY 0										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 5,100										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS 0										
g. REMAINING DEFICIENCY 17,850										
h. GRAND TOTAL 93,000										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
730.15	BRIG				31,540 SF	5,100	11/88 01/90			
	TOTAL					5,100				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS: NONE										
10. MISSION OR MAJOR FUNCTIONS:										
Operates and maintains facilities and provides services in support of units of the operation forces of the U.S. Navy and all shore activities in the Philadelphia area. All personnel and recreational support facilities such as personnel berthing and messing, family services, navy exchanges, commissary, clubs and family support are provided for activities aboard the Naval Base only by Naval Station, Philadelphia. In addition, Naval Station, Philadelphia provides facilities and working space for thirty or more tenants activities.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL STATION, PHILADELPHIA, PENNSYLVANIA</b>			4. PROJECT TITLE <b>BRIG</b>		
5. PROGRAM ELEMENT <b>0204796N</b>		6. CATEGORY CODE <b>730.15</b>	7. PROJECT NUMBER <b>P-521</b>	8. PROJECT COST (\$000) <b>5,100</b>	
<b>9. COST ESTIMATES</b>					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
BRIG . . . . .	SF	31,540	-	3,290	
BUILDING . . . . .	SF	29,000	109.00	(3,160)	
SUPPORT BUILDINGS. . . . .	SF	2,540	51.00	( 130)	
SUPPORTING FACILITIES. . . . .	-	-	-	1,310	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 360)	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 290)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 120)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 190)	
DEMOLITION AND REMOVALS. . . . .	LS	-	-	( 350)	
SUBTOTAL . . . . .	-	-	-	4,600	
CONTINGENCY (5%) . . . . .	-	-	-	230	
TOTAL CONTRACT COST. . . . .	-	-	-	4,830	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	270	
TOTAL REQUEST. . . . .	-	-	-	5,100	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>One-story reinforced concrete and masonry building, concrete pile foundation and floor, built-up roof, fire protection system, air conditioning, utilities; includes dormitories, cells, processing and exam rooms, administration, counseling, multi-purpose room with food service line; storage building, detached workshop; demolition of two buildings, asbestos removal, contaminated soil removal</p>					
<p>11. REQUIREMENT: <u>31,540 SF.</u> ADEQUATE: <u>0 SF.</u> SUBSTANDARD: <u>0 SF.</u>  <u>PROJECT:</u> Provides a 60-person brig including prisoner quarters, processing spaces, administrative spaces, industrial workshop, and dining facilities. (Current mission.)  <u>REQUIREMENT:</u> A recently completed study of the Navy penal system recommended the Navy establish a three-tier confinement system. This system would consist of: small "waterfront" facilities at major fleet concentrations to house prisoners with sentences of thirty days or less who will be returning to duty; larger consolidated facilities for prisoners with sentences of thirty days to one year; and non-Navy facilities for long-termers with sentences over one year. This project will provide a small "waterfront" facility to accommodate prisoners awaiting trial or serving sentences of thirty days or less. The offenders and accused are in the Philadelphia area while in transit, on visiting ships or aircraft, from ships in overhaul at the shipyard or from local naval activities and homeported vessels. The industrial workshop is required to provide  (Continued on DD 1391c)</p>					

1. COMPONENT		2. DATE																
NAVY																		
FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA																		
3. INSTALLATION AND LOCATION																		
NAVAL STATION, PHILADELPHIA, PENNSYLVANIA																		
4. PROJECT TITLE		5. PROJECT NUMBER																
BRIG		P-521																
<p>11. REQUIREMENT: (Continued)</p> <p>meaningful work for the prisoners during their incarceration. This has been a proven method of rehabilitation and greatly aids the Navy in returning the offender to useful active duty. The maximum number of prisoners expected at any time is estimated to be 60. The military staff will consist of approximately 46 persons and will be required to maintain adequate supervision, counseling and work programs for the enlisted prisoners.</p> <p><u>CURRENT SITUATION:</u> The brig requirement is presently fulfilled with inadequate conditions. The brig, which was built in 1942, is a three-story structure which is no longer waterproof and has electrical wiring deficiencies. The existing security control center lacks the minimum security features for surveillance of the building interior and outside grounds. The doors have to be unlocked manually in cases of emergency. There is no fire detection and suppression system. The windows are standard, single-pane with non-security glazing and do not meet security requirements. Plumbing fixtures are non-institutional, the steam radiator heating system is antiquated and in many areas not functional. The industrial work area is undersized and the electrical system is deficient. The existing brig is almost three times the size needed which results in a high maintenance and operations expense. Upgrading this facility is not feasible because of the high structural and mechanical rehabilitation costs necessary to bring it up to today's brig standards. The location of the existing brig is not satisfactory because it is remote from the food service galley which must transport food to the brig.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The over-sized, expensive to maintain brig will continue to be used. Security standards will not be met. Prisoners and staff will remain in a three-story building which lacks fire protection. Prisoners will be held in cells with doors that must be unlocked manually during emergencies.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table> <tr> <td>(a) Date Design Started.....</td> <td>11-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>5-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>1-90</td> </tr> </table> <p>(2) Basis:</p> <table> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes</td> <td>No</td> <td>X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3">N/A</td> </tr> </table> <p>(Continued on DD 1391c)</p>			(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A		
(a) Date Design Started.....	11-88																	
(b) Percent Complete as of January 1990.....	100																	
(c) Date Design 35% Complete.....	5-89																	
(d) Date Design Complete.....	1-90																	
(a) Standard or Definitive Design:	Yes	No	X															
(b) Where Design Was Most Recently Used:	N/A																	

1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL STATION, PHILADELPHIA, PENNSYLVANIA		
4. PROJECT TITLE BRIG		5. PROJECT NUMBER P-521
12. SUPPLEMENTAL DATA: (Continued)		
<p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( 250 )</p> <p>(b) All Other Design Costs..... ( 65 )</p> <p>(c) Total..... 315</p> <p>(d) Contract..... ( 265 )</p> <p>(e) In-house..... ( 50 )</p>		
<p>(4) Construction start..... 12-90</p> <p>(month and year)</p>		
<p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION NAVAL AIR DEVELOPMENT CENTER, WARMINSTER, PENNSYLVANIA			4. COMMAND SPACE AND NAVAL WARFARE SYSTEMS COMMAND			5. AREA CONSTR. COST INDEX 1.02				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
	a. AS OF 09/30/88									
b. END FY 1994										
	58	197	2568	0	0	190	5	7	556	3581
	67	217	2700	0	0	220	5	7	556	3772
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 921)										
b. INVENTORY TOTAL AS OF 30 SEP 88 54,430										
c. AUTHORIZATION NOT YET IN INVENTORY 1,840										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 13,700										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 1,050										
f. PLANNED IN NEXT THREE PROGRAM YEARS 5,100										
g. REMAINING DEFICIENCY 31,030										
h. GRAND TOTAL 107,150										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS		START - COMPLETE		
310.15	A/C TECHNOLOGIES LAB			65,000 SF	13,700	12/88		06/90		
	TOTAL				13,700					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
831.10	SEWAGE SYSTEM			LS	1,050					
	TOTAL				1,050					
B. MAJOR PLANNED NEXT THREE YEARS:										
311.15	INTG NAVIGATION LAB			LS	5,100					
10. MISSION OR MAJOR FUNCTIONS:										
This center is the principal Navy RDT&E Center for aircraft systems. It exercises the primary in-house research and development capability for aircraft systems simulation; airborne search and rescue; inertial navigation technology; air vehicle technology in structures, materials, flight control; airborne anti-submarine warfare systems; aircraft support systems, cost methodology and logistics; and aerospace medicine and aviation physiology. In addition, the center develops and integrates airborne systems for electronic surveillance and countermeasures, communications, navigation, information processing and display, and environmental sensing (electromagnetic/magnetic), acoustic, electro-optical, and photographic.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 1,050										
B: INSTALLATION RESTORATION 13,500										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AIR DEVELOPMENT CENTER, WARMINSTER, PENNSYLVANIA			4. PROJECT TITLE AIRCRAFT TECHNOLOGIES LABORATORY		
5. PROGRAM ELEMENT 0605896N	6. CATEGORY CODE 310.15	7. PROJECT NUMBER P-163	8. PROJECT COST (\$000) 13,700		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
AIRCRAFT TECHNOLOGIES LABORATORY . . . . .	SF	65,000	170.00	11,050	
SUPPORTING FACILITIES. . . . .	-	-	-	1,320	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 660)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 520)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 140)	
SUBTOTAL . . . . .	-	-	-	12,370	
CONTINGENCY (5%) . . . . .	-	-	-	620	
TOTAL CONTRACT COST. . . . .	-	-	-	12,990	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	710	
TOTAL REQUEST. . . . .	-	-	-	13,700	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 1,940)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Two-story building, structural frame and curtain wall construction, concrete foundation and floors, built-up roof, laboratories, test facilities, engineering offices, special ventilation and exhaust systems for safety and pollution control, noise isolation and attenuation, hazardous material storage capability, explosion-proof fixtures, fragmentation shielding, blow-out panels in some laboratory and test areas, fire protection system, air conditioning, utilities.					
11. REQUIREMENT: <u>65,000</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>0</u> SF. PROJECT: Provides a consolidated and integrated RDT&E laboratory for naval aircraft materials technology. (Current mission.) REQUIREMENT: State-of-the-art laboratory for the development of materials which exhibit protective or damage tolerant characteristics for naval aircraft threats needing a high temperature radar absorbing material (RAM) and a radar absorbing structure (RAS), including hardened materials for countermeasures to high energy lasers and work on high temperature propulsion systems alloys (high-strength aluminum). The center is the lead laboratory in the area of structural organic matrix composites. This material has been used in developing the lightweight stiffness in critical materials for application in the F-18, AV-8B, and V-22 aircraft. The materials research efforts include developing an environmental data base and synthesizing new repair resins for fleet use, as well as structures					
(Continued on DD 1391c)					



1. COMPONENT NAVY		2. DATE FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION NAVAL AIR DEVELOPMENT CENTER, WARMINSTER, PENNSYLVANIA			
4. PROJECT TITLE AIRCRAFT TECHNOLOGIES LABORATORY		5. PROJECT NUMBER P-163	
<p>11. REQUIREMENT: (Continued)  research efforts in structural design, full scale testing, and structural repair techniques of composites. Other RDT&amp;E efforts are devoted to development and validation of full scale components, structural design practices and design criteria providing the technical base necessary for the application of composite structures to emerging Navy aircraft weapons systems being developed in classified programs. To assure security for the composite material research efforts for classified programs, a secure area must be provided for this work. The need for modern facilities for conducting scientific work in new technology areas coupled with lack of space to accommodate expanding program requirements including the presence of numerous health, safety, explosion, fire, laser light and noise hazards supports the necessity for the proposed project.</p> <p><u>CURRENT SITUATION:</u> The forty-two existing dispersed laboratory and test areas are inadequate for emerging technology, where present spaces are congested and severely limit critical research and development efforts. These laboratory and engineering spaces, while housed in two main RDT&amp;E buildings at the Center, were originally allocated when workload performed did not interfere with other priority research activities. Over the ensuing years, other mission requirements, personnel, scientific equipment, computers, and laboratories have expanded and occupied surrounding spaces. The existing facility which has become people intensive also has made expansion of Materials and Structures Laboratory areas impossible.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Continued operations in scattered inadequate research spaces that will severely impact the Navy's ability to counteract the air warfare threats of the 1990's and beyond. R&amp;D efforts on the development of coatings for carbon-composites, laser resistant materials, and advances in radar absorbing materials will not be realized.</p>			
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... 12-88			
(b) Percent Complete as of January 1990..... 45			
(c) Date Design 35% Complete..... 7-89			
(d) Date Design Complete..... 6-90			
(2) Basis:			
(a) Standard or Definitive Design: Yes No X			
(b) Where Design Was Most Recently Used: N/A			
(Continued on DD 1391c)			

1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE																														
3. INSTALLATION AND LOCATION <b>NAVAL AIR DEVELOPMENT CENTER, WARMINSTER, PENNSYLVANIA</b>																																
4. PROJECT TITLE <b>AIRCRAFT TECHNOLOGIES LABORATORY</b>		5. PROJECT NUMBER <b>P-163</b>																														
<p>12. SUPPLEMENTAL DATA: (Continued)</p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(a) Production of Plans and Specifications.....</td> <td style="text-align: right; border-bottom: 1px solid black;">650</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right; border-bottom: 1px solid black;">200</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right; border-bottom: 1px solid black;">850</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right; border-bottom: 1px solid black;">775</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right; border-bottom: 1px solid black;">75</td> </tr> </table> <p>(4) Construction start..... <span style="float: right;">12-90</span>  <span style="float: right;">(month and year)</span></p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment Nomenclature</u></th> <th style="text-align: left;"><u>Procuring Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year Appropriated or Requested</u></th> <th style="text-align: right;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>High Temperature Autoclave</td> <td>NIF</td> <td>1990</td> <td style="text-align: right;">820</td> </tr> <tr> <td>High Temperature Coating Equipment</td> <td>NIF</td> <td>1990</td> <td style="text-align: right;">290</td> </tr> <tr> <td>Ultrastructures Laboratory Equipment</td> <td>NIF</td> <td>1990</td> <td style="text-align: right;">830</td> </tr> <tr> <td colspan="3" style="text-align: right;"><b>TOTAL</b></td> <td style="text-align: right; border-top: 1px solid black;"><b>1,940</b></td> </tr> </tbody> </table>			(a) Production of Plans and Specifications.....	650	(b) All Other Design Costs.....	200	(c) Total.....	850	(d) Contract.....	775	(e) In-house.....	75	<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>	High Temperature Autoclave	NIF	1990	820	High Temperature Coating Equipment	NIF	1990	290	Ultrastructures Laboratory Equipment	NIF	1990	830	<b>TOTAL</b>			<b>1,940</b>
(a) Production of Plans and Specifications.....	650																															
(b) All Other Design Costs.....	200																															
(c) Total.....	850																															
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<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>																													
High Temperature Autoclave	NIF	1990	820																													
High Temperature Coating Equipment	NIF	1990	290																													
Ultrastructures Laboratory Equipment	NIF	1990	830																													
<b>TOTAL</b>			<b>1,940</b>																													

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION  NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND				4. COMMAND  CHIEF OF NAVAL EDUCATION AND TRAINING		5. AREA CONSTR. COST INDEX  1.16				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	643	3544	4076	1197	916	0	15	97	0	10488
b. END FY 1994	593	4009	4076	1353	982	0	10	69	0	11092
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 1,200)										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 155,650										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 41,880										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 6,350										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 3,500										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 28,210										
g. REMAINING DEFICIENCY . . . . . 136,250										
h. GRAND TOTAL . . . . . 371,840										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST ("\$000")	DESIGN STATUS START COMPLETE			
822.12	STEAM DISTR SYSTEM UPGRADE				LS	6,350	11/88	01/90		
	TOTAL					6,350				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
813.20	ELEC DIST SYS UPGRD-PH II				LS	3,500				
	TOTAL					3,500				
B. MAJOR PLANNED NEXT THREE YEARS:										
441.30	HAZ/FLAMMABLE STOREHOUSE				LS	480				
610.40	ADMINISTRATIVE OFFICE				44,850 SF	5,200				
721.13	BACHELOR ENLISTED QUARTERS				146,000 SF	6,300				
730.15	BRIG				31,340 SF	5,910				
10. MISSION OR MAJOR FUNCTIONS:										
Administer schools which provide a source from which qualified commissioned and warrant officers may be prepared for military service, and train Navy enlisted and foreign officer candidates.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 90										
B: INSTALLATION RESTORATION 31,210										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT <b>NAVY</b>		2. DATE <b>FY 1991 MILITARY CONSTRUCTION PROJECT DATA</b>	
3. INSTALLATION AND LOCATION <b>NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND</b>		4. PROJECT TITLE <b>STEAM DISTRIBUTION SYSTEM UPGRADE</b>	
5. PROGRAM ELEMENT <b>0805796N</b>	6. CATEGORY CODE <b>822.12</b>	7. PROJECT NUMBER <b>P-146</b>	8. PROJECT COST (\$000) <b>6,350</b>
<b>9. COST ESTIMATE</b>			
ITEM	U/M	QUANTITY	COST (\$000)
STEAM DISTRIBUTION SYSTEM UPGRADE. . . . .	LS	-	4,820
SUPPORTING FACILITIES. . . . .	-	-	920
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	( 720)
ASBESTOS REMOVAL. . . . .	LS	-	( 200)
SUBTOTAL. . . . .	-	-	5,740
CONTINGENCY (5%). . . . .	-	-	280
TOTAL CONTRACT COST. . . . .	-	-	6,020
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .	-	-	330
TOTAL REQUEST. . . . .	-	-	6,350
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)	( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION			
<p>Install steam distribution and condensate return lines providing loop system; install two condensate pumping stations; upgrade thermal insulation on 24,600 lineal feet of existing steam distribution pipe and 11,050 lineal feet of existing condensate pipe; install nine steam and condensate flow meters; asbestos removal.</p>			
<p>11. REQUIREMENT: <u>As Required.</u>  <b>PROJECT:</b> Installs steam distribution and condensate return lines, condensate pumping stations, thermal insulation, and flow meters. (Current mission.)  <b>REQUIREMENT:</b> Adequate steam distribution system to correct existing deficiencies in the steam heating system, improve system efficiency through reduced heat loss, and provide more reliable and efficient building heat.  <b>CURRENT SITUATION:</b> Building heat is presently provided from boiler plants, and manpower limitations allow the operation of only one plant. Certain areas of the base are served from a radial distribution system subject to an unnecessarily high risk of shutdown. Heat losses from the steam distribution piping are currently excessive because of inadequate insulation.  <b>IMPACT IF NOT PROVIDED:</b> The steam distribution system has a continued risk of major outages, lack of reliability, and a high operating cost.</p>			
(Continued on DD 1391c)			

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL EDUCATION AND TRAINING CENTER, NEWPORT, RHODE ISLAND			
4. PROJECT TITLE		5. PROJECT NUMBER	
STEAM DISTRIBUTION SYSTEM UPGRADE		P-146	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... 11-88			
(b) Percent Complete as of January 1990..... 100			
(c) Date Design 35% Complete..... 5-89			
(d) Date Design Complete..... 1-90			
(2) Basis:			
(a) Standard or Definitive Design: Yes _____ No <u>X</u>			
(b) Where Design Was Most Recently Used: <u>N/A</u>			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( 285 )			
(b) All Other Design Costs..... ( 105 )			
(c) Total..... 390			
(d) Contract..... ( 345 )			
(e) In-house..... ( 45 )			
(4) Construction start..... 12-90			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT <div style="text-align: center;">NAVY      <b>FY 1991 MILITARY CONSTRUCTION PROGRAM</b></div>						2. DATE																																																																		
3. INSTALLATION AND LOCATION <div style="text-align: center;">NAVAL UNDERWATER SYSTEMS CENTER, NEWPORT, RHODE ISLAND</div>				4. COMMAND <div style="text-align: center;">SPACE AND NAVAL WARFARE SYSTEMS COMMAND</div>		5. AREA CONSTR. COST INDEX <div style="text-align: center;">1.16</div>																																																																		
6. PERSONNEL STRENGTH		<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <th colspan="3">PERMANENT</th> <th colspan="3">STUDENTS</th> <th colspan="3">SUPPORTED</th> <th rowspan="2">TOTAL</th> </tr> <tr> <th>OFFICER</th> <th>ENLISTED</th> <th>CIVILIAN</th> <th>OFFICER</th> <th>ENLISTED</th> <th>CIVILIAN</th> <th>OFFICER</th> <th>ENLISTED</th> <th>CIVILIAN</th> </tr> <tr> <td colspan="11" style="padding: 2px 5px;">a. AS OF 09/30/88</td> </tr> <tr> <td style="text-align: center;">16</td> <td style="text-align: center;">38</td> <td style="text-align: center;">2048</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">24</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">2126</td> </tr> <tr> <td colspan="11" style="padding: 2px 5px;">b. END FY 1994</td> </tr> <tr> <td style="text-align: center;">16</td> <td style="text-align: center;">39</td> <td style="text-align: center;">2061</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">24</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">0</td> <td style="text-align: center;">2140</td> </tr> </table>								PERMANENT			STUDENTS			SUPPORTED			TOTAL	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	a. AS OF 09/30/88											16	38	2048	0	0	24	0	0	0	0	2126	b. END FY 1994											16	39	2061	0	0	24	0	0	0	0	2140
PERMANENT			STUDENTS			SUPPORTED			TOTAL																																																															
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b. INVENTORY TOTAL AS OF 30 SEP 88 103,060																																																																								
c. AUTHORIZATION NOT YET IN INVENTORY 750																																																																								
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g. REMAINING DEFICIENCY 42,870																																																																								
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9. FUTURE PROJECTS:																																																																								
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B. MAJOR PLANNED NEXT THREE YEARS:																																																																								
310.33 DATA CENTER LS 5,420																																																																								
10. MISSION OR MAJOR FUNCTIONS:																																																																								
<p>The Naval Underwater System Center is the principal Navy RDT&amp;E Center for underwater weapons systems. It plans and conducts programs of warfare and systems analysis, RDT&amp;E, and Fleet support in underwater warfare weapons systems and components, undersea surveillance systems, submarine communications systems, navigation and related sciences and technology. The Headquarters Newport Laboratory performs a wide variety of functions ranging from exploratory research through the in-service engineering assistance of the Fleet throughout the life-cycle of these systems. This center also manages subsidiary laboratories including NewLondon, CT; AUTEC Test Ranges, Andros, Bahamas; and Bermuda Laboratory.</p>																																																																								
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C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0																																																																								

1. COMPONENT NAVY		2. DATE FY 1991 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION NAVAL UNDERWATER SYSTEMS CENTER, NEWPORT, RHODE ISLAND		4. PROJECT TITLE GUIDED MISSILE LABORATORY	
5. PROGRAM ELEMENT 0605896N	6. CATEGORY CODE 312.10	7. PROJECT NUMBER P-034	8. PROJECT COST (\$000) 4,000
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	COST (\$000)
GUIDED MISSILE LABORATORY. . . . .	SF	18,590	3,410
SUPPORTING FACILITIES. . . . .	-	-	200
UTILITIES. . . . .	LS	-	( 90)
PAVING AND SITE IMPROVEMENT, RELOCATION. .	LS	-	( 110)
SUBTOTAL . . . . .	-	-	3,610
CONTINGENCY (5%) . . . . .	-	-	180
TOTAL CONTRACT COST. . . . .	-	-	3,790
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	210
TOTAL REQUEST. . . . .	-	-	4,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	(NON-ADD)	( 4,730)
10. DESCRIPTION OF PROPOSED CONSTRUCTION			
Two-story steel frame building, reinforced concrete foundation and floors, masonry walls with brick facing, built-up roof, elevator, bridge crane, computer flooring, TEMPEST shielding, wet-pipe sprinkler system and fire protection pumps, Halon storage tanks, air conditioning, utilities; laboratories, shops, offices; grounding system, rock excavation; relocate one building.			
11. REQUIREMENT: 18,590 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.			
PROJECT: Provides an integrated submarine and surface missile systems laboratory to accomplish life-cycle support and configuration management, in-service engineering, and inert missile assembly and disassembly for the Sea Lance Anti-Submarine Warfare (ASW) standoff weapon system, an advanced missile being developed for SSN classes 637, 688 and 21, and surface ship classes CG-47, DD 963, and DDG-51. (New mission.)			
REQUIREMENT: Adequate and properly-configured facilities to accommodate the mission responsibility for the total technical aspects throughout the service life of the Sea Lance Weapons System. The facility will support development, integration, certification, at sea testing, avionics and software life-cycle support, engineering fleet support, and inert missile assembly and disassembly for the service life of the missile. Newport has been assigned technical, acquisition engineering, and in-service engineering agent for the Sea Lance Weapon Missile System and subsystems. Newport will be required to certify and support Sea Lance missile readiness commencing before the initial production unit deliveries are deployed to the Fleet in 1991.			

(Continued on DD 1391c)

1 COMPONENT	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2 DATE																						
NAVY																								
3 INSTALLATION AND LOCATION																								
NAVAL UNDERWATER SYSTEMS CENTER, NEWPORT, RHODE ISLAND																								
4. PROJECT TITLE		5. PROJECT NUMBER																						
GUIDED MISSILE LABORATORY		P-034																						
<p>11. REQUIREMENT: (Continued)</p> <p><b>CURRENT SITUATION:</b> There are no facilities that can be dedicated to support the Sea Lance program. All existing laboratory space that could possibly be utilized or converted to an appropriate support facility are actively being utilized in support performance of other critical RDT&amp;E functions.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Newport would not support the Sea Lance missile program as the technical and in-service engineering agent for its life-cycle. Navy would be unable to insure that the Sea Lance missile is maintained in its required high state of readiness during its deployment.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 40px;"> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">11-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">5-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">1-90</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 195 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 55 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">250</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 210 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 40 )</td> </tr> </table> <p>(4) Construction start..... 12-90</p> <p style="text-align: right;">(month and year)</p> </div>			(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	( 195 )	(b) All Other Design Costs.....	( 55 )	(c) Total.....	250	(d) Contract.....	( 210 )	(e) In-house.....	( 40 )
(a) Date Design Started.....	11-88																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	5-89																							
(d) Date Design Complete.....	1-90																							
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(b) Where Design Was Most Recently Used:	N/A																							
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(e) In-house.....	( 40 )																							
(Continued on DD 1391c)																								



1. COMPONENT NAVY		2 DATE FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION NAVAL UNDERWATER SYSTEMS CENTER, NEWPORT, RHODE ISLAND			
4. PROJECT TITLE GUIDED MISSILE LABORATORY		5. PROJECT NUMBER P-034	
12. SUPPLEMENTAL DATA: (Continued)			
b. Equipment associated with this project which will be provided from other appropriations.			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>
Miscellaneous subsystems,	WPN	1990	1,420
computer aided engineering development	NIF	1986	470
operating systems, simulators, consoles, micro-processors, Sea Lance Inert Missile, guidance electronic unit, missile test set, assembly stand, adapters, flight termination system and test set, and other hardware.	WPN	1990	2,840
TOTAL			4,730

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA		4. COMMAND COMMANDANT OF THE MARINE CORPS		5. AREA CONSTR. COST INDEX 93						
6. PERSONNEL STRENGTH	PERMANENT                      STUDENTS                      SUPPORTED									TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 08/30/88	67	433	448	0	15	0	267	2540	275	4045
b. END FY 1994	63	430	451	0	157	0	311	2911	146	4489
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 10.558 )										
b. INVENTORY TOTAL AS OF 30 SEP 88							105,640			
c. AUTHORIZATION NOT YET IN INVENTORY							4,990			
d. AUTHORIZATION REQUESTED IN THIS PROGRAM							6,500			
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM							9,500			
f. PLANNED IN NEXT THREE PROGRAM YEARS							15,950			
g. REMAINING DEFICIENCY							25,350			
h. GRAND TOTAL							167,930			
8. PROJECTS REQUESTED IN THIS PROGRAM										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE			
721.11	BACHELOR ENLISTED QUARTERS				72,410 SF	6,500	02/86	10/90		
	TOTAL					6,500				
9. FUTURE PROJECTS										
A. INCLUDED IN FOLLOWING PROGRAM										
141.70	AIR TRAFFIC CTRL TOWER				LS	2,600				
721.12	BACH ENLISTED QTRS PH II				72,410 SF	6,900				
	TOTAL					9,500				
B. MAJOR PLANNED NEXT THREE YEARS										
116.35	ACFT ARMING/DEARMING PADS				23,200 SY	1,750				
721.11	BEO PH III				350 PA	8,900				
211.10	ACFT ACOUSTICAL ENCL				10 EA	5,300				
10. MISSION OR MAJOR FUNCTIONS										
Maintain and operate facilities to support flight operations; operation and maintenance of assigned aircraft; and provide services and material to support operations of a Marine Aircraft Wing and/or units thereof, and other activities and units as designated by the Commandant of the Marine Corps, in coordination with the Chief of Naval Operations										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES. (\$000)										
A. POLLUTION ABATEMENT					0					
B. INSTALLATION RESTORATION					70					
C. OCCUPATIONAL SAFETY AND HEALTH (OSH)					0					

1 COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2 DATE	
3 INSTALLATION AND LOCATION MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA				4 PROJECT TITLE BACHELOR ENLISTED QUARTERS		
5 PROGRAM ELEMENT 0206496M		6 CATEGORY CODE 721.11		7 PROJECT NUMBER P-366		8 PROJECT COST (\$000) 6,500
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	UNIT COST
BACHELOR ENLISTED QUARTERS . . . . .				SF	72,410	70.00
SUPPORTING FACILITIES. . . . .				-	-	800
SPECIAL CONSTRUCTION FEATURES. . . . .				LS	-	( 490)
UTILITIES. . . . .				LS	-	( 90)
PAVING AND SITE IMPROVEMENT, DEMOLITION. . . . .				LS	-	( 220)
SUBTOTAL . . . . .				-	-	5,870
CONTINGENCY (5%) . . . . .				-	-	290
TOTAL CONTRACT COST. . . . .				-	-	6,160
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .				-	-	340
TOTAL REQUEST. . . . .				-	-	6,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-	- (NON-ADD)	( 0)
10 DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>Three-story masonry load-bearing wall building, pile foundation, concrete floors, built-up roof, fire protection system, sound attenuation, air conditioning, utilities; 94 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; demolition of one building.</p> <p>Grade mix: 264 E1-E4, 48 E5, 4 E6-E9. Total: 316.</p>						
11. REQUIREMENT: <u>1,529</u> PN. ADEQUATE: <u>590</u> PN. SUBSTANDARD: <u>0</u> PN.						
<p><u>PROJECT</u>: Provides adequate billeting for 316 enlisted personnel. (Current mission.)</p> <p><u>REQUIREMENT</u>: Adequate living quarters for enlisted personnel in grades E1-E9 assigned to this air station as permanent support.</p> <p><u>CURRENT SITUATION</u>: Sixty-three percent of the single enlisted Marines at Beaufort are billeted in substandard quarters that do not meet DOD habitability requirements.</p> <p><u>IMPACT IF NOT PROVIDED</u>: Adequate billeting will not be available for all enlisted personnel. Marines will continue to occupy inadequate housing and endure a low standard of habitability. This adversely impacts on recruitment and retention of Marines in an all-volunteer environment. The health and morale of Marines occupying substandard quarters is further accentuated when they work with other Marines who occupy quarters that meet standards of adequacy.</p>						
(Continued on DD 1391c)						

1 COMPONENT		2 DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3 INSTALLATION AND LOCATION			
MARINE CORPS AIR STATION, BEAUFORT, SOUTH CAROLINA			
4 PROJECT TITLE		5. PROJECT NUMBER	
BACHELOR ENLISTED QUARTERS		P-366	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... <u>2-86</u>			
(b) Percent Complete as of January 1990..... <u>40</u>			
(c) Date Design 35% Complete..... <u>11-89</u>			
(d) Date Design Complete..... <u>10-90</u>			
(2) Basis:			
(a) Standard or Definitive Design: Yes <u>      </u> No <u>X</u>			
(b) Where Design Was Most Recently Used: <u>N/A</u>			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( <u>210</u> )			
(b) All Other Design Costs..... ( <u>40</u> )			
(c) Total..... <u>250</u>			
(d) Contract..... ( <u>40</u> )			
(e) In-house..... ( <u>210</u> )			
(4) Construction start..... <u>12-90</u>			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT <b>NAVY</b>		2. DATE <b>FY 1991 MILITARY CONSTRUCTION PROGRAM</b>								
3. INSTALLATION AND LOCATION <b>NAVAL HOSPITAL, CHARLESTON, SOUTH CAROLINA</b>		4. COMMAND <b>NAVAL MEDICAL COMMAND</b>								
		5. AREA CONSTR. COST INDEX <b>92</b>								
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 08/30/88	239	555	235	2	1	0	0	0	0	1032
b. END FY 1994	280	535	235	2	1	0	0	0	0	1053
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 0 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 23.960										
c. AUTHORIZATION NOT YET IN INVENTORY 0										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 550										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 2.520										
f. PLANNED IN NEXT THREE PROGRAM YEARS 0										
g. REMAINING DEFICIENCY 0										
h. GRAND TOTAL 27.030										
8. PROJECTS REQUESTED IN THIS PROGRAM										
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STAR*	STATUS COMPLETE					
841.40	EMERGENCY WATER STOR TANK	LS	55C	02/89	10/89					
	TOTAL		55C							
9. FUTURE PROJECTS										
a. INCLUDED IN FOLLOWING PROGRAM										
74.11	REQ IMPROVEMENTS	LS	2.52C							
	TOTAL		2.52C							
b. MAJOR PLANNED NEXT THREE YEARS NONE										
10. MISSION OR MAJOR FUNCTIONS										
Provide general clinical hospitalization for active duty Navy and Marine Corps personnel, active duty members of the other armed services, dependents of active duty personnel, and other authorized persons as outlined in current directives. To cooperate with military and civil authorities in matters pertaining to health, sanitation, local disasters, and other emergencies.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
a. POLLUTION ABATEMENT 0										
b. INSTALLATION RESTORATION 0										
c. OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
NAVY										
3. INSTALLATION AND LOCATION			4. COMMAND			5. AREA CONSTR. COST INDEX				
CHARLESTON NAVAL SHIPYARD, CHARLESTON, SOUTH CAROLINA			NAVAL SEA SYSTEMS COMMAND			92				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 08/30/88	46	13	8400	0	0	0	0	0	0	8459
b. END FY 1994	53	15	8400	0	0	0	0	0	0	8468
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE										
b. INVENTORY TOTAL AS OF 30 SEP 88										
c. AUTHORIZATION NOT YET IN INVENTORY										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										
f. PLANNED IN NEXT THREE PROGRAM YEARS										
g. REMAINING DEFICIENCY										
h. GRAND TOTAL										
8. PROJECTS REQUESTED IN THIS PROGRAM										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS				
						START	COMPLETE			
841 10	WATER TREATMENT FAC			LS	500	01/89	10/89			
	TOTAL				500					
9. FUTURE PROJECTS										
A INCLUDED IN FOLLOWING PROGRAM										
213 49	RAPID ACO OF MANUFAC PARTS			LS	7.800					
	TOTAL				7.800					
B MAJOR PLANNED NEXT THREE YEARS										
843 10	FIRE PROTECTION SYSTEM			LS	10.400					
10. MISSION OR MAJOR FUNCTIONS										
Maintenance and overhaul of surface ships and modern attack and fleet ballistic missile submarines. Logistic support provided includes conversion, overhaul, repair, alterations, drydocking of surface ships and modern submarines. The yard also provides support for anti-air, anti-submarine warfare weapons systems.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES (\$000)										
A	POLLUTION ABATEMENT				60					
B	INSTALLATION RESTORATION				1,820					
C	OCCUPATIONAL SAFETY AND HEALTH (OSH)				0					

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					12. DATE				
3. INSTALLATION AND LOCATION NAVAL STATION, CHARLESTON, SOUTH CAROLINA					4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET			5. AREA CONSTR. COST INDEX .92			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
A. AS OF 09/30/88		1500	20000	500	0	0	0	106	538	0	22644
D. END FY 1984		1553	21000	500	0	0	0	106	538	0	23697
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE . . . . . TENANT CF NB											
B. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 124,240											
C. AUTHORIZATION NOT YET IN INVENTORY . . . . . 15,550											
D. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 1,590											
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 57,230											
F. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 69,200											
G. REMAINING DEFICIENCY . . . . . 92,530											
H. GRAND TOTAL . . . . . 360,340											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE			SCOPE		COST (\$000)		DESIGN STATUS START COMPLETE		
219.58		BOAT SHOP			10,100 SF		1,090		10/88 09/89		
610.10		PASS OFFICE ADDITION			LS		500		09/88 06/85		
		TOTAL					1,590				
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
135.20		TELEPHONE DUCT BANKS			LS		700				
151.20		BERTHING PIER (SSN-21)			LS		50,000				
610.10		CLASSIFIED DESTROYER			LS		280				
730.10		FIRE STATION			3,600 SF		670				
730.15		BRIG			47,840 SF		900				
932.20		UTILITIES SITE IMPROV			LS		4,670				
		TOTAL					57,230				
10. MISSION OR MAJOR FUNCTIONS:											
The station piers are homeport to approximately 47 Atlantic Fleet ships, including destroyers and frigates, attack submarines and support ships. Ships homeported will increase to approximately 56 by 1990 as new FFG-7 class frigates enter the fleet. The station hosts the Mine Warfare Command, Reserve Mine Squadron, and Shore Intermediate Maintenance Activity, and supports the adjacent shipyard.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT		40									
B: POLLUTION RESTORATION		0									
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):		0									

1. COMPONENT <b>NAVY</b>		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL STATION, CHARLESTON, SOUTH CAROLINA</b>			4. PROJECT TITLE <b>BOAT SHOP</b>		
5. PROGRAM ELEMENT <b>0204796N</b>	6. CATEGORY CODE <b>213.58</b>	7. PROJECT NUMBER <b>P-699</b>	8. PROJECT COST (\$000) <b>1,090</b>		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
BOAT SHOP. . . . .	SF	10,100	-	790	
OPERATIONS AND SHOP SPACES . . . . .	SF	5,000	90.00	( 450)	
STORAGE SPACE. . . . .	SF	5,100	67.00	( 340)	
SUPPORTING FACILITIES. . . . .	-	-	-	190	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 140)	
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	( 50)	
SUBTOTAL . . . . .	-	-	-	980	
CONTINGENCY (5%) . . . . .	-	-	-	50	
TOTAL CONTRACT COST. . . . .	-	-	-	1,030	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	60	
TOTAL REQUEST. . . . .	-	-	-	1,090	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One-story reinforced concrete frame building, concrete floor, pile foundation, masonry walls with brick veneer, steel roof joists and built-up roof, utilities, air conditioning, fire protection system.					
11. REQUIREMENT: <u>10,100 SF.</u> ADEQUATE: <u>0 SF.</u> SUBSTANDARD: <u>0 SF.</u> PROJECT: Provides waterfront support building for the Naval Mine Warfare Division based at Charleston. (Current mission.) REQUIREMENT: Adequate small boat repair, operations, and spare parts storage facilities for Mine Division 125 (MINEDIV 125). MINEDIV 125 operates ten mine warfare small craft and is responsible for providing necessary maintenance and repair services to keep them operational. These vessels consist of seven Mine Sweeping Boats and three Landing Craft, Utility. These craft are constructed on non-metal hulls and cabins to reduce influence on magnetic mines. They require considerable more maintenance than metal hull craft. Boats must be constantly lifted out of the water and have their hulls sanded, repaired and repainted. In order to maintain and repair these craft and their mine countermeasures on-board equipment, the division must perform electronics work, woodworking, painting, grinding, welding and other mechanical functions to gas turbines, other engine components and various structural systems of the vessels. CURRENT SITUATION: No repair facilities or spare parts storage warehouse are available at the Naval Station for MINEDIV 125 functions. Repair services are provided using three vans parked on the bulkhead between the (Continued on DF 1391c)					



1. COMPONENT NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE																											
3. INSTALLATION AND LOCATION NAVAL STATION, CHARLESTON, SOUTH CAROLINA																															
4. PROJECT TITLE BOAT SHOP				5. PROJECT NUMBER P-699																											
<p>11. REQUIREMENT: (Continued)  CURRENT SITUATION: (Continued)  mine warfare berthing piers. These vans are used by MINEDIV 125 to permit rapid deployment worldwide of the mine warfare craft and for their repair and maintenance functions and on-site spare parts storage. These vans are not adequate for permanent day-to-day homeport repair and maintenance activities. The vans provide very limited work spaces and movement in them is restricted making repair work difficult. Bulk spare parts storage is provided off-base by sharing warehouse space with another unit. The warehouse space is leased by GSA and is costly to the Navy. Off-base leasing causes delays in repairs because most parts are not readily available near the repair shops. On-base storage will eliminate the warehouse lease cost and improve operational logistics.  IMPACT IF NOT PROVIDED: Use of the the deployable vans with permanent shops and operations facilities will continue to result in delays and operational difficulties in repairing damaged mine warfare small craft and performing the routine but extensive boat maintenance. This lowers readiness and could adversely impact the division's ability to deploy rapidly to trouble spots around the world.</p> <p>12. SUPPLEMENTAL DATA:  a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started.....</td> <td>10-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>3-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>9-89</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes</td> <td>No</td> <td>X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>( 10 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>( 10 )</td> </tr> <tr> <td>(c) Total.....</td> <td>20</td> </tr> <tr> <td>(d) Contract.....</td> <td>( 15 )</td> </tr> <tr> <td>(e) In-house.....</td> <td>( 5 )</td> </tr> </table> <p>(4) Construction start..... 12-90 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>						(a) Date Design Started.....	10-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	3-89	(d) Date Design Complete.....	9-89	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A			(a) Production of Plans and Specifications.....	( 10 )	(b) All Other Design Costs.....	( 10 )	(c) Total.....	20	(d) Contract.....	( 15 )	(e) In-house.....	( 5 )
(a) Date Design Started.....	10-88																														
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(c) Date Design 35% Complete.....	3-89																														
(d) Date Design Complete.....	9-89																														
(a) Standard or Definitive Design:	Yes	No	X																												
(b) Where Design Was Most Recently Used:	N/A																														
(a) Production of Plans and Specifications.....	( 10 )																														
(b) All Other Design Costs.....	( 10 )																														
(c) Total.....	20																														
(d) Contract.....	( 15 )																														
(e) In-house.....	( 5 )																														

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, CHARLESTON, SOUTH CAROLINA					4. COMMAND NAVAL SUPPLY SYSTEMS COMMAND			5. AREA CONSTR. COST INDEX .92			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88		23	3	1051	0	0	22	0	0	129	1228
b. END FY 1994		23	3	1051	0	0	22	0	0	129	1228
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 0 )											
b. INVENTORY TOTAL AS OF 30 SEP 88 32,130											
c. AUTHORIZATION NOT YET IN INVENTORY 12,180											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 3,200											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0											
f. PLANNED IN NEXT THREE PROGRAM YEARS 0											
g. REMAINING DEFICIENCY 42,500											
h. GRAND TOTAL 90,020											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
441.72		FLEET SUPPLY SPT STORE				36,230 SF	3,200	11/88 01/90			
		TOTAL					3,200				
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM NONE											
B. MAJOR PLANNED NEXT THREE YEARS: NONE											
10. MISSION OR MAJOR FUNCTIONS:											
Provides logistics support for the worldwide POSEIDON and TRIDENT I backfit Fleet Ballistic Missile Submarine program, and is the primary supply point for over 70 surface combatants and support ships homeported in Charleston as well as for shore activities throughout the southeastern US and the Caribbean. A major function is maintaining a 30-day supply of provisions including frozen meat and other frozen products, to adequately support and insure the operational readiness of these forces.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 0											
B: INSTALLATION RESTORATION 0											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL SUPPLY CENTER, CHARLESTON, SOUTH CAROLINA</b>			4. PROJECT TITLE <b>FLEET SUPPLY SUPPORT STORE</b>		
5. PROGRAM ELEMENT <b>0702896N</b>	6. CATEGORY CODE <b>441.72</b>	7. PROJECT NUMBER <b>P-058</b>	8. PROJECT COST (\$000) <b>3,200</b>		
<b>9. COST ESTIMATES</b>					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
FLEET SUPPLY SUPPORT STORE . . . . .	SF	36,230	-	1,940	
ADMINISTRATIVE AREA. . . . .	SF	1,220	82.00	( 100)	
SALES AND DISPLAY AREA . . . . .	SF	21,240	68.00	(1,440)	
WAREHOUSE AREA . . . . .	SF	13,770	29.00	( 400)	
SUPPORTING FACILITIES. . . . .	-	-	-	350	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 660)	
UTILITIES. . . . .	LS	-	-	( 100)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 190)	
SUBTOTAL . . . . .	-	-	-	2,890	
CONTINGENCY (5%) . . . . .	-	-	-	140	
TOTAL CONTRACT COST. . . . .	-	-	-	3,030	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	170	
TOTAL REQUEST. . . . .	-	-	-	3,200	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>					
One-story pre-engineered steel frame building, pile foundation, concrete floor, insulated metal walls and roof, fire protection system, air conditioning, utilities.					
<b>11. REQUIREMENT: 36,230 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.</b>					
<b>PROJECT:</b> Constructs a waterfront-area fleet supply support store (FSSS) for consumable items of immediate need to fleet units. (Current mission.)					
<b>REQUIREMENT:</b> An adequate and properly configured facility to house the FSSS in close proximity to the primary ship berthing area with adequate access and parking for efficient and convenient customer service. Homeported and transient ships at the Naval Station need a FSSS located close to berthing piers for issue of high use consumables without the necessity of going through the individual requisition process. The supply center's FSSS accounts for approximately 45 percent of the total issues of consumables, hand tools, minor repair parts and general shipboard maintenance materials. Some 3,600 line items are carried as shelf and bin stock for direct issue to the customers of approximately 80 ships homeported at the Naval Station and undergoing repair at the Charleston Naval Shipyard.					
<b>CURRENT SITUATION:</b> The FSSS was housed in a high-bay concrete and steel structure. Use of this building as a FSSS did not effectively use the cubic space available. The supply center was been designated the principal TRIDENT Weapon Systems stock point for the East Coast. To support this					
(Continued on DD 1391c)					

1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, CHARLESTON, SOUTH CAROLINA		
4. PROJECT TITLE FLEET SUPPLY SUPPORT STORE		5. PROJECT NUMBER P-058
<p>11. REQUIREMENT: (Continued)  CURRENT SITUATION: (Continued)  new requirement the FSSS building was developed by other appropriations into a high-rise narrow aisle storage facility. Interim relocation of the FSSS was necessary to allow storage of the TRIDENT Weapon Systems components. No other spaces are available for storage of these items. In the interim, the FSSS facility will be temporarily relocated to an inadequate general purpose warehouse in the shipyard's industrial area.  IMPACT IF NOT PROVIDED: The FSSS will be forced to operate in an inadequate facility located in a highly congested area in the shipyard industrial complex adversely impacting service to the fleet. Quantities of materials may be damaged by weather and subjected to pilferage in the interim facility.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> (1) Status:  (a) Date Design Started..... 11-88  (b) Percent Complete as of January 1990..... 100  (c) Date Design 35% Complete..... 5-89  (d) Date Design Complete..... 1-90 </div> <div style="margin-left: 80px;"> (2) Basis:  (a) Standard or Definitive Design: Yes _____ No <u>X</u>  (b) Where Design Was Most Recently Used: <u>N/A</u> </div> <div style="margin-left: 80px;"> (3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)  (a) Production of Plans and Specifications..... ( 135 )  (b) All Other Design Costs..... ( 55 )  (c) Total..... 190  (d) Contract..... ( 175 )  (e) In-house..... ( 15 ) </div> <div style="margin-left: 80px;"> (4) Construction start..... 12-90  (month and year) </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA				4. COMMAND NAVAL SEA SYSTEMS COMMAND		5. AREA CONSTR. COST INDEX .92				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	136	2530	987	0	0	0	9	27	0	3689
b. END FY 1994	132	2510	980	40	904	0	19	47	0	4632
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 17,537)										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 164,690										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 46,550										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 36,300										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 16,100										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 51,350										
g. REMAINING DEFICIENCY . . . . . 39,810										
h. GRAND TOTAL . . . . . 354,800										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS				
						START	COMPLETE			
159.64	PROPULSION TRNG FACILITY			LS	25,000	12/88	06/90			
216.40	SEALANCE MISSL MAINT FAC			35,730 SF	9,400	11/88	01/90			
421.72	MISSILE MAGAZINE			9,600 SF	1,900	10/88	09/89			
	TOTAL				36,300					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
421.72	MISSILE MAGS (TOMAHAWK)			LS	2,000					
421.72	MISSILE MAGAZINE			LS	2,100					
842.10	WATER DISTRIBUTION SYS			LS	500					
860.20	BARRICADED RAILRD SIDINGS			LS	11,500	11/88	01/90			
	TOTAL				16,100					
B. MAJOR PLANNED NEXT THREE YEARS:										
159.64	MOORING TRNG SHIP IMPROV			LS	40,000					
10. MISSION OR MAJOR FUNCTIONS:										
Receive, reissued, and maintain guided missiles, anti-submarine weapons conventional ammunition, and operate and maintain a family housing complex with community support facilities. Provide logistic and port terminal services in support of two ammunition ships (AE), one SSBN tender (AS), and one floating dry dock (ARDM). POMFLANT Charleston.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 1,600										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA				4. PROJECT TITLE MISSILE MAGAZINE		
5. PROGRAM ELEMENT  0702031N		6. CATEGORY CODE  421.72		7. PROJECT NUMBER  P-784		8. PROJECT COST (\$000)  1,900
9. COST ESTIMATES						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
MISSILE MAGAZINE . . . . .	SF	9,600	116.00	1,060		
SUPPORTING FACILITIES. . . . .	-	-	-	650		
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 300)		
UTILITIES. . . . .	LS	-	-	( 150)		
PAVING AND SITE IMPROVEMENT, RAILROAD. . . . .	LS	-	-	( 200)		
SUBTOTAL . . . . .	-	-	-	1,710		
CONTINGENCY (5%) . . . . .	-	-	-	90		
TOTAL CONTRACT COST. . . . .	-	-	-	1,800		
SUPERVISION, INSPECTION AND OVERHEAD (5.5%). . . . .	-	-	-	100		
TOTAL REQUEST. . . . .	-	-	-	1,900		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION  One-earth covered reinforced concrete five-bay magazine, reinforced concrete floor on pile foundation, 17.5-foot wide hardened doors, loading dock, security lighting, lightning protection, loading apron, access road, railroad spur, fire protection and alarm system, provision for intrusion detection system, utilities.  11. REQUIREMENT: 27,600 SF. ADEQUATE: 18,000 SF. SUBSTANDARD: 0 SF. PROJECT: Provides one magazine for TOMAHAWK missiles. (Current mission.) REQUIREMENT: Adequate storage for TOMAHAWK cruise missiles including the proper level of environmental and security protection. This station is tasked with processing TOMAHAWK missiles starting in 1989 to include contractor delivery, maintenance, issue, fleet return and shipment operations. The missiles are normally stored in their shipping containers in an "All-Up-Round" configuration. Requirement for one magazine is based on projected workload and procurement schedules. Additional magazines will be requested in the future, based on the growing TOMAHAWK inventory needed to support the fleet at Charleston. CURRENT SITUATION: No existing magazines are available for storage of TOMAHAWK missiles at Charleston because of support to ammunition ships homeported and the increasing numbers of off-loads and on-loads for combatants. The liquid fueled TOMAHAWK is not compatible for storage with other weapon systems, making it necessary to have a separate dedicated						

(Continued on DD 1391c)

1. COMPONENT	2. DATE																											
NAVY	FY 91 MILITARY CONSTRUCTION PROJECT DATA																											
3. INSTALLATION AND LOCATION																												
NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA																												
4. PROJECT TITLE	5. PROJECT NUMBER																											
MISSILE MAGAZINE	P-784																											
<p>11. REQUIREMENT: (Continued)  <u>CURRENT SITUATION:</u> (Continued)  magazine. Prior to completion of this magazine, temporary storage of the missiles will be in truck holding areas resulting in reduced security and environmental protection.  <u>IMPACT IF NOT PROVIDED:</u> Insufficient storage for TOMAHAWK weapons could affect readiness and security of missiles and result in increased maintenance requirements.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table> <tr> <td>(a) Date Design Started.....</td> <td>10-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>3-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>9-89</td> </tr> </table> <p>(2) Basis:</p> <table> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes</td> <td>No</td> <td>X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$ ,0)</p> <table> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>( 60 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>( 20 )</td> </tr> <tr> <td>(c) Total.....</td> <td>80</td> </tr> <tr> <td>(d) Contract.....</td> <td>( 10 )</td> </tr> <tr> <td>(e) In-house.....</td> <td>( 70 )</td> </tr> </table> <p>(4) Construction start..... 12-90  (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Date Design Started.....	10-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	3-89	(d) Date Design Complete.....	9-89	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A			(a) Production of Plans and Specifications.....	( 60 )	(b) All Other Design Costs.....	( 20 )	(c) Total.....	80	(d) Contract.....	( 10 )	(e) In-house.....	( 70 )
(a) Date Design Started.....	10-88																											
(b) Percent Complete as of January 1990.....	100																											
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(d) Date Design Complete.....	9-89																											
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(b) Where Design Was Most Recently Used:	N/A																											
(a) Production of Plans and Specifications.....	( 60 )																											
(b) All Other Design Costs.....	( 20 )																											
(c) Total.....	80																											
(d) Contract.....	( 10 )																											
(e) In-house.....	( 70 )																											

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA			4. PROJECT TITLE PROPULSION TRAINING FACILITY		
5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 159.64	7. PROJECT NUMBER P-869	8. PROJECT COST (\$000) 25,000		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
PROPULSION TRAINING FACILITY . . . . .	LS	-	-	14,730	
BUILDING . . . . .	SF	65,000	85.00	( 5,530)	
PIER . . . . .	LS	-	-	( 2,300)	
SPECIAL MARINE MOORINGS. . . . .	LS	-	-	( 1,200)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 5,700)	
SUPPORTING FACILITIES. . . . .	-	-	-	7,840	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 4,000)	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 1,600)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 500)	
PAVING, AND SITE IMPROVEMENT, DREDGING . .	LS	-	-	( 1,740)	
SUBTOTAL . . . . .	-	-	-	22,570	
CONTINGENCY (5%) . . . . .	-	-	-	1,130	
TOTAL CONTRACT COST. . . . .	-	-	-	23,700	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	1,300	
TOTAL REQUEST. . . . .	-	-	-	25,000	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(220,000)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Multi-story steel frame building, high-bay area, concrete floors, pile foundations, high-strength concrete walls, built-up roof, classrooms, radiological systems and work areas, fire protection system, air conditioning, utilities; pier and approach pier each 300-feet long and 25-feet wide, reinforced concrete pier deck on prestressed concrete piling and concrete caps; mooring systems; fire protection system, dredging, roads, parking.					
11. REQUIREMENT: <u>As Required.</u>					
PROJECT: Provides facilities to accommodate a second moored training ship (MTS) and associated students, staff, and support facilities for training naval nuclear propulsion plant operators. (Current mission.)					
REQUIREMENT: The second MTS and supporting facilities are required to meet fleet needs for trained and qualified nuclear propulsion plant operators. Such needs cannot be accommodated by available Department of Energy reactor plant prototypes and the first MTS. (Facilities for the first MTS were provided by a FY 1987 MCON project). Because of the urgent need for the second MTS, the Chief of Naval Operations specifically approved the second MTS on 7 June 1987.					
CURRENT SITUATION: No alternate facilities are available to support the second MTS. The planned site at this station is the only site considered acceptable because of security, safety and accessibility requirements, as well as efficiencies gained by operating the first and second MTS at the same site.					



1. COMPONENT	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE								
NAVY										
3. INSTALLATION AND LOCATION										
NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA										
4. PROJECT TITLE	5. PROJECT NUMBER									
PROPULSION TRAINING FACILITY	P-869									
<p>11. REQUIREMENT: (Continued)</p> <p><b>IMPACT IF NOT PROVIDED:</b> The Navy could not meet fleet needs for properly trained and qualified reactor plant operators required for manning nuclear powered ships. The nuclear powered fleet comprises over 40 percent of the Navy's combatants and the entire sea-going arm of U. S. strategic forces.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 40px;"> <p>(1) Status:</p> <p>(a) Date Design Started..... 12-88</p> <p>(b) Percent Complete as of January 1990..... 50</p> <p>(c) Date Design 35% Complete..... 7-89</p> <p>(d) Date Design Complete..... 6-90</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes _____ No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( 560 )</p> <p>(b) All Other Design Costs..... ( 125 )</p> <p>(c) Total..... 685</p> <p>(d) Contract..... ( 600 )</p> <p>(e) In-house..... ( 85 )</p> <p>(4) Construction start..... 12-90</p> <p style="margin-left: 100px;">(month and year)</p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; border-collapse: collapse; margin-top: 10px;"> <thead> <tr> <th style="text-align: left; width: 30%;">Equipment Nomenclature</th> <th style="text-align: left; width: 20%;">Procuring Appropriation</th> <th style="text-align: left; width: 20%;">Fiscal Year Appropriated or Requested</th> <th style="text-align: left; width: 30%;">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Conversion of SSBN to MTS</td> <td>SCN</td> <td>1990</td> <td>220,000</td> </tr> </tbody> </table> </div>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	Conversion of SSBN to MTS	SCN	1990	220,000
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)							
Conversion of SSBN to MTS	SCN	1990	220,000							

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA</b>			4. PROJECT TITLE <b>SEALANCE MISSILE MAINTENANCE FACILITY</b>			
5. PROGRAM ELEMENT <b>0702031N</b>		6. CATEGORY CODE <b>216.40</b>	7. PROJECT NUMBER <b>P-823</b>		8. PROJECT COST (\$000) <b>9,400</b>	
<b>B. COST ESTIMATES</b>						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
SEALANCE MISSILE MAINTENANCE FACILITY. . . .	SF	35,730	-	5,900		
INTERMEDIATE MAINTENANCE ACTIVITY. . . .	SF	29,750	120.00	(3,580)		
TEST CELL. . . . .	LS	-	-	(1,200)		
MAGAZINE . . . . .	SF	5,980	150.00	( 900)		
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 120)		
TECHNICAL OPERATING MANUALS. . . . .	LS	-	-	( 100)		
SUPPORTING FACILITIES. . . . .	-	-	-	2,590		
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 390)		
UTILITIES. . . . .	LS	-	-	( 600)		
PAVING AND SITE IMPROVEMENT, RAILROAD. . .	LS	-	-	(1,600)		
SUBTOTAL . . . . .	-	-	-	8,490		
CONTINGENCY (5%) . . . . .	-	-	-	420		
TOTAL CONTRACT COST. . . . .	-	-	-	8,910		
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	490		
TOTAL REQUEST. . . . .	-	-	-	9,400		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p><b>IMA:</b> One-story reinforced concrete frame and masonry building, pile foundation and concrete floor, built-up roof on insulated preformed roof panels, bridge cranes, explosive-proof wiring, high pressure air system, sprinkler system, air conditioning, security fencing and lighting, loading platforms, lightning mast and grounding system, access road, railroad, utilities.</p> <p><b>MAGAZINE:</b> One earth-covered reinforced concrete three-bay magazine, loading platform, 25-foot wide doors, access road, railroad, overhead cranes, paved apron, security lighting, recessed grounding terminals in floors, intrusion detection system, fire protection system, utilities.</p> <p><b>TEST CELL:</b> One-story reinforced concrete building, concrete foundation and floor, built-up roof, fire protection system, ventilation, utilities; hoists; access apron.</p>						
11. REQUIREMENT: 35,730 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.						
<p><b>PROJECT:</b> Constructs maintenance and storage facilities for the SEALANCE weapons system, provides life-cycle intermediate level maintenance for introduction into the Atlantic Fleet. (New mission.)</p> <p><b>REQUIREMENT:</b> An intermediate level maintenance facility to accommodate the SEALANCE Fleet introduction schedule. A new facility with dust, humidity and temperature control is necessary to perform assembly, checkout and maintenance of exercise and warshot SEALANCE weapons for the Atlantic Fleet. The SEALANCE is an advanced digital missile developed to</p> <p style="text-align: right;">(Continued on DD 1391c)</p>						

1. COMPONENT NAVY	2. DATE FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA																										
3. INSTALLATION AND LOCATION NAVAL WEAPONS STATION, CHARLESTON, SOUTH CAROLINA																											
4. PROJECT TITLE SEALANCE MISSILE MAINTENANCE FACILITY	5. PROJECT NUMBER P-823																										
<p>11. REQUIREMENT: (Continued) support the SSN 637, SSN 688 and SSN 21 class submarines. The SEALANCE missile will also be deployed on DD 963, CG 47 and DDG 51 class surface ships. SEALANCE will deliver the high performance MK-50 torpedo as its payload and will be the fleet's primary quick reaction, long range ASW weapon.</p> <p>CURRENT SITUATION: No facilities presently exist which can support the Fleet introduction and life-cycle intermediate maintenance of SEALANCE weapons. The weapons must be assembled during the production years as components are received from the manufacturer.</p> <p>IMPACT IF NOT PROVIDED: Final development of SEALANCE will not be possible and introduction into the fleet and Initial Operating Cycle will not be achieved.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started.....</td> <td>11-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>5-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>1-90</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes</td> <td>No</td> <td>X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>( 310 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>( 155 )</td> </tr> <tr> <td>(c) Total.....</td> <td>465</td> </tr> <tr> <td>(d) Contract.....</td> <td>( 400 )</td> </tr> <tr> <td>(e) In-house.....</td> <td>( 65 )</td> </tr> </table> <p>(4) Construction start..... 12-90 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>		(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A			(a) Production of Plans and Specifications.....	( 310 )	(b) All Other Design Costs.....	( 155 )	(c) Total.....	465	(d) Contract.....	( 400 )	(e) In-house.....	( 65 )
(a) Date Design Started.....	11-88																										
(b) Percent Complete as of January 1990.....	100																										
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(d) Contract.....	( 400 )																										
(e) In-house.....	( 65 )																										

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION MARINE CORPS RECRUIT DEPOT, PARRIS ISLAND, SOUTH CAROLINA				4. COMMAND COMMANDANT OF THE MARINE CORPS		5. AREA CONSTR COST INDEX 93				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	124	1942	683	0	4500	0	0	0	0	7249
b. END FY 1994	317	2109	1066	0	5120	0	0	0	0	8612
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 8,080)										
b. INVENTORY TOTAL AS OF 30 SEP 88 110,820										
c. AUTHORIZATION NOT YET IN INVENTORY 4,620										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 3,400										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 7,300										
f. PLANNED IN NEXT THREE PROGRAM YEARS 7,000										
g. REMAINING DEFICIENCY 64,510										
h. GRAND TOTAL 197,650										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
730.13	CLOTHING ISSUE BUILDING				35,600 SF	3,400	11/8E	10/90		
	TOTAL					3,400				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
179.55	COMBAT TRNG POOL/TANK				LS	3,900				
610.72	BATTALION OPS CENTER				15,390 SF	2,200				
730.20	SECURITY HEADQUARTERS				6,510 SF	1,200				
	TOTAL					7,300				
B. MAJOR PLANNED NEXT THREE YEARS:										
441.12	ORGANIC STRG BLDG				LS	1,500				
722.10	MESS HALL				32,000 SF	5,500				
10. MISSION OR MAJOR FUNCTIONS:										
To exercise operational control of enlisted recruiting operations in the 1st, 4th, and 6th Marine Districts through screening, evaluation, verification, and field supervision; to provide guidance and direction on quality control matters for all east coast enlisted accessions in accordance with standards established by CMC; to provide reception processing and recruit training for enlisted personnel upon their initial entry into the Marine Corps; to provide training of recruits; to conduct schools as directed; to provide rifle and pistol marksmanship training for Marines stationed in the southeast and for personnel of other services as requested; and to conduct training for reserve Marines as directed.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 150										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION MARINE CORPS RECRUIT DEPOT, PARRIS ISLAND, SOUTH CAROLINA			4. PROJECT TITLE CLOTHING ISSUE BUILDING		
5. PROGRAM ELEMENT 0805796M	6. CATEGORY CODE 730.13	7. PROJECT NUMBER P-118	8. PROJECT COST (\$000) 3,400		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
CLOTHING ISSUE BUILDING. . . . .	SF	35,600	75.00	2,670	
SUPPORTING FACILITIES. . . . .	-	-	-	400	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 110)	
UTILITIES. . . . .	LS	-	-	( 70)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 220)	
SUBTOTAL . . . . .	-	-	-	3,070	
CONTINGENCY (5%) . . . . .	-	-	-	150	
TOTAL CONTRACT COST. . . . .	-	-	-	3,220	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	180	
TOTAL REQUEST. . . . .	-	-	-	3,400	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)	-	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Two-story steel frame building, concrete foundation and floors, engineered fill, masonry walls, single ply roof; staging area; includes space for uniform issue, fitting and marking, alterations, dress blue uniform issue, back-up and storage, cash sales, office, and mechanical equipment; fire protection system, air conditioning, utilities.					
11. REQUIREMENT: <u>37,400</u> SF. ADEQUATE: <u>1,800</u> SF. SUBSTANDARD: <u>0</u> SF. PROJECT: Constructs a clothing issue and retail facility. (Current mission.)					
REQUIREMENT: Adequate facility to house all functions necessary to issue, alter, and sell uniforms to recruit and permanent personnel. The recruit uniform issue area must be able to accommodate a 320-man recruit series, and this same requirement exists for the fitting and marking areas. The alteration shop requires an area to support a work force of 55 employees. The cash sales area will service more than 2,500 permanent personnel at Parris Island, and 360 Marines from the Marine Barracks, Charleston. The onboard recruit population varies seasonably between 3,500 and 9,000 persons.					
CURRENT SITUATION: Uniforms for recruits and permanent personnel are issued, sold, fitted, and altered in two inadequate, metal buildings. These buildings were constructed in 1952 as warehouses and are virtually uninsulated. Both are cold and waste heat in the winter and are unbearably hot in the summer, with temperatures sometimes exceeding 112° F. The design, materials, and construction of these buildings prevent any economical alterations to make them adequate. (Continued on DD 1391c)					

1. COMPONENT NAVY		2. DATE FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA																											
3. INSTALLATION AND LOCATION MARINE CORPS RECRUIT DEPOT, PARRIS ISLAND, SOUTH CAROLINA																													
4. PROJECT TITLE CLOTHING ISSUE BUILDING		5. PROJECT NUMBER P-118																											
<p>11. REQUIREMENT: (Continued)  <u>IMPACT IF NOT PROVIDED:</u> Uniforms will continue to be issued and sold in sheet metal warehouses which waste energy, are hot and humid in summer, cold and damp in winter, and have already outlived their useful life expectancy.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table> <tr> <td>(a) Date Design Started.....</td> <td>11-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>1-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>1-90</td> </tr> </table> <p>(2) Basis:</p> <table> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes</td> <td>No</td> <td>X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>( 215 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>( 10 )</td> </tr> <tr> <td>(c) Total.....</td> <td>225</td> </tr> <tr> <td>(d) Contract.....</td> <td>( 10 )</td> </tr> <tr> <td>(e) In-house.....</td> <td>( 215 )</td> </tr> </table> <p>(4) Construction start..... 12-90 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>				(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	1-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A			(a) Production of Plans and Specifications.....	( 215 )	(b) All Other Design Costs.....	( 10 )	(c) Total.....	225	(d) Contract.....	( 10 )	(e) In-house.....	( 215 )
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1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION NAVAL AIR STATION, CORPUS CHRISTI, TEXAS					4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING		5. AREA CONSTR. COST INDEX .88			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	313	877	563	469	0	0	0	0	0	2322
b. END FY 1994	346	1169	563	408	0	0	0	0	0	2486
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 4,401)										
b. INVENTORY TOTAL AS OF 30 SEP 88 139,280										
c. AUTHORIZATION NOT YET IN INVENTORY 3,830										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 4,700										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS 1,760										
g. REMAINING DEFICIENCY 26,570										
h. GRAND TOTAL 176,140										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE				
136.10	AIRFIELD LIGHTING			LS	4,700	11/88 01/90				
	TOTAL				4,700					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS:										
721.11	BACH ENL QTRS IMPROVES			LS	1,360					
821.22	BOILER PLANT PHASE II			LS	400					
10. MISSION OR MAJOR FUNCTIONS:										
Maintain and operate facilities and provide services and materials in support of basic and advanced Navy pilot training in propeller aircraft										
Coast Guard Training Wing Four										
Corpus Christi Army Depot Three Training Squadrons										
Chief of Naval Air Training										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL AIR STATION, CORPUS CHRISTI, TEXAS</b>				4. PROJECT TITLE <b>AIRFIELD LIGHTING</b>		
5. PROGRAM ELEMENT <b>0805796N</b>		6. CATEGORY CODE <b>136.10</b>	7. PROJECT NUMBER <b>P-270</b>		8. PROJECT COST (\$000) <b>4.700</b>	
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
AIRFIELD LIGHTING . . . . .		LS	-	-	4,240	
SUBTOTAL . . . . .		-	-	-	4,240	
CONTINGENCY (5%) . . . . .		-	-	-	210	
TOTAL CONTRACT COST . . . . .		-	-	-	4,450	
SUPERVISION, INSPECTION AND OVERHEAD. (5.5%) . . . . .		-	-	-	250	
TOTAL REQUEST . . . . .		-	-	-	4,700	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS . . . . .		-	-	-	( 0 )	
10. DESCRIPTION OF PROPOSED CONSTRUCTION  Install concrete encased conduit, hand holes, man holes, airfield lighting fixtures, electric power vault, transformers and switchgear; removal of direct burial conduit, light fixtures, vault.						
11. REQUIREMENT: <u>As Required.</u> <u>PROJECT:</u> Installs a modern airfield lighting system. (Current mission.) <u>REQUIREMENT:</u> A reliable and effective airfield lighting system for flight safety at night and during hours of reduced visibility. <u>CURRENT SITUATION:</u> The existing 25 year-old airfield lighting system employs direct burial cable. The original switches are deteriorated and unreliable, creating a safety hazard. Airfield lighting failures have contributed to accidents, such as a pilots running off the airfield pavement during taxiing maneuvers. Airfield lighting failures have also resulted in C-5A aircraft, used to deliver and transport Army helicopters and supplies, being diverted to other outlying airports at additional costs. The existing vault is also in very poor condition and too small to adequately house updated regulators, switchgear, and standby generating equipment. <u>IMPACT IF NOT PROVIDED:</u> The lighting system will continue to deteriorate and become more difficult to maintain for a fully operational state. The effectiveness of the aviation training programs will be diminished.						
(Continued on DD 1391c)						



1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AIR STATION, CORPUS CHRISTI, TEXAS			
4. PROJECT TITLE		5. PROJECT NUMBER	
AIRFIELD LIGHTING		P-270	
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... <u>11-88</u></p> <p>(b) Percent Complete as of January 1990..... <u>100</u></p> <p>(c) Date Design 35% Complete..... <u>5-89</u></p> <p>(d) Date Design Complete..... <u>1-90</u></p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes <u>      </u> No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( <u>150</u> )</p> <p>(b) All Other Design Costs..... ( <u>60</u> )</p> <p>(c) Total..... <u>210</u></p> <p>(d) Contract..... ( <u>20</u> )</p> <p>(e) In-house..... ( <u>190</u> )</p> <p>(4) Construction start..... <u>12-90</u> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE																												
3. INSTALLATION AND LOCATION  NAVAL TECHNICAL TRAINING CENTER DETACHMENT, LACKLAND AIR FORCE BASE, TEXAS					4. COMMAND  CHIEF OF NAVAL EDUCATION AND TRAINING			5. AREA CONSTR. COST INDEX  .88																											
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1994		PERMANENT			STUDENTS			SUPPORTED			TOTAL																								
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN																									
		0	0	0	0	0	0	0	0	0																									
		4	119	46	12	580	110	0	0	0	871																								
7. INVENTORY DATA (\$000)																																			
a. TOTAL ACREAGE . . . . . TENANT OF LACKLAND																																			
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 0																																			
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 11,800																																			
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 11,800																																			
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0																																			
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0																																			
g. REMAINING DEFICIENCY . . . . . 0																																			
h. GRAND TOTAL . . . . . 23,600																																			
8. PROJECTS REQUESTED IN THIS PROGRAM:																																			
<table style="width: 100%; border-collapse: collapse;"> <tr> <th style="width: 10%;">CATEGORY CODE</th> <th style="width: 40%;">PROJECT TITLE</th> <th style="width: 15%;">SCOPE</th> <th style="width: 15%;">COST (\$000)</th> <th colspan="2" style="width: 20%;">DESIGN STATUS</th> </tr> <tr> <th></th> <th></th> <th></th> <th></th> <th>START</th> <th>COMPLETE</th> </tr> <tr> <td>721.11</td> <td>BACHELOR ENLISTED QUARTERS</td> <td>144,000 SF</td> <td>11,800</td> <td>07/86</td> <td>12/87</td> </tr> <tr> <td></td> <td>TOTAL</td> <td></td> <td>11,800</td> <td></td> <td></td> </tr> </table>												CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS						START	COMPLETE	721.11	BACHELOR ENLISTED QUARTERS	144,000 SF	11,800	07/86	12/87		TOTAL		11,800		
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS																															
				START	COMPLETE																														
721.11	BACHELOR ENLISTED QUARTERS	144,000 SF	11,800	07/86	12/87																														
	TOTAL		11,800																																
9. FUTURE PROJECTS:																																			
A. INCLUDED IN FOLLOWING PROGRAM NONE																																			
B. MAJOR PLANNED NEXT THREE YEARS: NONE																																			
10. MISSION OR MAJOR FUNCTIONS:																																			
Train military and civilian personnel in law enforcement, physical security, anti-terrorism and the protection of Navy's assets from theft, sabotage, terrorism, or other losses.																																			
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)																																			
A: POLLUTION ABATEMENT . . . . . 0																																			
B: INSTALLATION RESTORATION . . . . . 0																																			
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): . . . . . 0																																			

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL TECHNICAL TRAINING CENTER DETACHMENT LACKLAND AIR FORCE BASE, TEXAS				4. PROJECT TITLE BACHELOR ENLISTED QUARTERS		
5. PROGRAM ELEMENT 0804796N		6. CATEGORY CODE 721.11		7. PROJECT NUMBER P-002		8. PROJECT COST (\$000) 11,800
<b>9. COST ESTIMATES</b>						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
BACHELOR ENLISTED QUARTERS . . . . .	SF	144,000	65.00	9,360		
SUPPORTING FACILITIES. . . . .	-	-	-	1,290		
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 250)		
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 210)		
MECHANICAL UTILITIES . . . . .	LS	-	-	( 340)		
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	( 490)		
SUBTOTAL . . . . .	-	-	-	10,650		
CONTINGENCY (5%) . . . . .	-	-	-	530		
TOTAL CONTRACT COST. . . . .	-	-	-	11,180		
SUPERVISION, INSPECTION & OVERHEAD (5.5%).	-	-	-	620		
TOTAL REQUEST. . . . .	-	-	-	11,800		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)		( 0)		
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>						
<p>Four three-story reinforced concrete frame buildings with drilled pier foundations, two one-story reinforced concrete frame buildings with concrete mat foundations, concrete floors, masonry walls, standing seam metal roof systems, fire protection systems, air conditioning, utilities; 171 two-bedroom modules with private bathrooms, lounges, laundry, storage, vending, mechanical equipment; demolition of six buildings. Grade mix: 684 E1-E4. Total: 684.</p>						
<p><b>11. REQUIREMENT: 684 PN. ADEQUATE: 0 PN. SUBSTANDARD: 0 PN.</b>  <b>PROJECT:</b> Provides adequate billeting for 684 enlisted Navy students assigned to the physical security training center. (Current mission.)  <b>REQUIREMENT:</b> Adequate housing for 684 Navy students undergoing training in physical security. Increasing levels of terrorism and radical activities have dictated improved training in all aspects of security for Naval personnel and Navy assets. Training is planned at this location to take advantage of existing Air Force facilities and courses of instruction in physical security.  <b>CURRENT SITUATION:</b> The Air Force has no berthing spaces available for Navy use.  <b>IMPACT IF NOT PROVIDED:</b> Students will not be assigned to the facility, or will be housed in commercial spaces at significantly higher costs. Training capabilities will be derogated and the potential for political embarrassment and significant real damage will continue.  <div style="text-align: right;">(Continued on DD 139.c)</div> </p>						

1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL TECHNICAL TRAINING CENTER DETACHMENT, LACKLAND AFB, TEXAS			
4. PROJECT TITLE		5. PROJECT NUMBER	
BACHELOR ENLISTED QUARTERS		P-002	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... <u>7-86</u>			
(b) Percent Complete as of January 1990..... <u>100</u>			
(c) Date Design 35% Complete..... <u>11-86</u>			
(d) Date Design Complete..... <u>12-87</u>			
(2) Basis:			
(a) Standard or Definitive Design: Yes <u>      </u> No <u>X</u>			
(b) Where Design Was Most Recently Used: <u>N/A</u>			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( <u>560</u> )			
(b) All Other Design Costs..... ( <u>125</u> )			
(c) Total..... <u>685</u>			
(d) Contract..... ( <u>0</u> )			
(e) In-house..... ( <u>5</u> )			
(4) Construction start..... <u>12-90</u>			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION HEADQUARTERS MARINE CORPS, ARLINGTON, VIRGINIA				4. COMMAND COMMANDANT OF THE MARINE CORPS		5. AREA CONSTR. COST INDEX 1.04				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	1235	1260	1237	0	0	0	0	0	0	3732
b. END FY 1994	1151	1069	1317	0	0	0	0	0	0	3537
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 21 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 26,980										
c. AUTHORIZATION NOT YET IN INVENTORY 3,020										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 2,800										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS 1,090										
g. REMAINING DEFICIENCY 36,550										
h. GRAND TOTAL 70,440										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE					
441.11	GENERAL PURPOSE WAREHOUSE	36,500 SF	2,800	09/86	02/90					
	TOTAL		2,800							
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS:										
610.10	HEADQUARTERS BUILDING	LS	1,090							
10. MISSION OR MAJOR FUNCTIONS										
Provide administrative support for: chargeable and attached Marine Corps personnel assigned within the Washington Metropolitan Area to Headquarters Marine Corps; other departments and agencies of the federal government and joint schools; not chargeable and attached to Marine Corps personnel assigned within the Washington Metropolitan Area to duty under instruction, awaiting separation and casualties who are either awaiting assignment or transportation, in a disciplinary status, or who are hospitalized; provide administrative use aircraft support for the Commandant of the Marine Corps and a aircraft support for proficiency flying requirements; provide administrative use motor vehicle and traffic management (freight and household goods) advisory support for Headquarters Marine Corps; and provide Marine Corps security forces for the Navy Department in the Washington Metropolitan Area.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT NAVY		2. DATE FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA				
3. INSTALLATION AND LOCATION HEADQUARTERS MARINE CORPS, ARLINGTON, VIRGINIA			4. PROJECT TITLE GENERAL PURPOSE WAREHOUSE			
5. PROGRAM ELEMENT 0901296M		6. CATEGORY CODE 441.11		7. PROJECT NUMBER P-006		8. PROJECT COST (\$000) 2,800
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
GENERAL PURPOSE WAREHOUSE. . . . .		SF	36,500	-	1,760	
BUILDING . . . . .		SF	36,500	44.00	(1,620)	
BUILT-IN EQUIPMENT . . . . .		LS	-	-	( 140)	
SUPPORTING FACILITIES. . . . .		-	-	-	770	
ELECTRICAL UTILITIES . . . . .		LS	-	-	( 400)	
MECHANICAL UTILITIES . . . . .		LS	-	-	( 200)	
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 170)	
SUBTOTAL . . . . .		-	-	-	2,530	
CONTINGENCY (5%) . . . . .		-	-	-	120	
TOTAL CONTRACT COST. . . . .		-	-	-	2,650	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%). . . . .		-	-	-	150	
TOTAL REQUEST. . . . .		-	-	-	2,800	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>One-story steel frame warehouse building, concrete foundation and floor. masonry walls, built-up roof, 18-foot stacking height, elevator, electronic utility monitoring system, special security areas, loading docks, vehicle wash platform, forklift charging station, rack-mounted fire protection system, air conditioning, utilities.</p>						
<p>11. REQUIREMENT: <u>36,500 SF.</u> ADEQUATE: <u>0 SF.</u> SUBSTANDARD: <u>0 SF.</u>  <u>PROJECT:</u> Constructs storage facilities to house and consolidate logistics service support for headquarters Marine Corps organizations and assigned military personnel in the Washington Capital Region. (Current mission.)  <u>REQUIREMENT:</u> Adequate facilities to execute the Marine Corps mission of Headquarters Battalion in the Washington DC area as regards organic supply and warehousing functions. Modernization and upgrading of Henderson Hall (HH) facilities commenced in 1980 and is on-going. This project complements the previous project and sustains steady progress toward conversion of HH into a modern, efficient installation capable of collectively satisfying the ever-escalating service needs of Headquarters Marine Corps and manifesting the high standards of the Corps to the public.  <u>CURRENT SITUATION:</u> Existing facilities are inadequate, unsafe, inefficient, and uneconomical to operate given present mission demands and anticipated future contingencies.</p>						

(Continued on DD 1391c)

1. COMPONENT	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																						
NAVY																								
3. INSTALLATION AND LOCATION HEADQUARTERS MARINE CORPS, ARLINGTON, VIRGINIA																								
4. PROJECT TITLE	5. PROJECT NUMBER																							
GENERAL PURPOSE WAREHOUSE	P-006																							
<p>11. REQUIREMENT: (Continued)</p> <p><b>IMPACT IF NOT PROVIDED:</b> Supply and warehouse mission effectiveness will be seriously impaired. Degraded support capabilities of HH. Increased costs and inefficiencies will be experienced as a result of warehouse space leasing, detached operations, and facility upgrades to comply with fire and safety standards in existing facilities.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">9-86</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">90</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">2-87</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">2-90</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;"><u>N/A</u></td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 160 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 60 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">220</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 190 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 30 )</td> </tr> </table> <p>(4) Construction start..... <u>1-91</u> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Date Design Started.....	9-86	(b) Percent Complete as of January 1990.....	90	(c) Date Design 35% Complete.....	2-87	(d) Date Design Complete.....	2-90	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( 160 )	(b) All Other Design Costs.....	( 60 )	(c) Total.....	220	(d) Contract.....	( 190 )	(e) In-house.....	( 30 )
(a) Date Design Started.....	9-86																							
(b) Percent Complete as of January 1990.....	90																							
(c) Date Design 35% Complete.....	2-87																							
(d) Date Design Complete.....	2-90																							
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	<u>N/A</u>																							
(a) Production of Plans and Specifications.....	( 160 )																							
(b) All Other Design Costs.....	( 60 )																							
(c) Total.....	220																							
(d) Contract.....	( 190 )																							
(e) In-house.....	( 30 )																							

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION  MARINE CORPS DETACHMENT, CAMP ELMORE, VIRGINIA				4. COMMAND  COMMANDANT OF THE MARINE CORPS			5. AREA CONSTR. COST INDEX  .92			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	141	614	5	0	0	0	0	0	0	760
b. END FY 1994	10	150	5	0	0	0	187	507	108	967
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 18 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . .							8,770			
c. AUTHORIZATION NOT YET IN INVENTORY. . . . .							6,950			
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . .							2,850			
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . .							0			
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . .							6,200			
g. REMAINING DEFICIENCY. . . . .							7,730			
h. GRAND TOTAL . . . . .							32,500			
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
610.10	OPERATIONS CENTER				22,710 SF	2,850	06/87 01/90			
	TOTAL					2,850				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS:										
610.10	ADMINISTRATIVE BLDG				96,480 SF	6,200				
10. MISSION OR MAJOR FUNCTIONS:										
Provide facilities to support Headquarters, Fleet Marine Force, Atlantic and such other units as may be assigned and to provide disbursing support to commands at Camp Elmore; Marine Barracks, Norfolk, Virginia; and Marine Detachment, Commander in Chief, Atlantic Fleet.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT							0			
B: INSTALLATION RESTORATION							0			
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):							0			



1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>MARINE CORPS DETACHMENT, CAMP ELMORE, VIRGINIA</b>				4. PROJECT TITLE <b>OPERATIONS CENTER</b>		
5. PROGRAM ELEMENT <b>0206496M</b>		6. CATEGORY CODE <b>610.10</b>	7. PROJECT NUMBER <b>P-801</b>		8. PROJECT COST (\$000) <b>2,850</b>	
<b>9. COST ESTIMATES</b>						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
OPERATIONS CENTER. . . . .	SF	22,710	-	1,780		
BUILDING . . . . .	SF	22,710	75.00	(1,700)		
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 80)		
SUPPORTING FACILITIES. . . . .	-	-	-	790		
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 50)		
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 130)		
MECHANICAL UTILITIES . . . . .	LS	-	-	( 160)		
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 450)		
SUBTOTAL . . . . .	-	-	-	2,570		
CONTINGENCY (5%) . . . . .	-	-	-	130		
TOTAL CONTRACT COST. . . . .	-	-	-	2,700		
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	150		
TOTAL REQUEST. . . . .	-	-	-	2,850		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		( 0)		
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b> Two-story reinforced concrete and masonry building, pile foundation, concrete floors, brick facing, built-up roof over insulation on metal decking, administrative and armory spaces, security fencing and lighting, intrusion detection system, fire protection system, air conditioning, emergency generator, vault, utilities.						
<b>11. REQUIREMENT:</b> 22,710 SF. <b>ADEQUATE:</b> 0 SF. <b>SUBSTANDARD:</b> 0 SF. <b>PROJECT:</b> Constructs an administrative building to establish a consolidated Marine Amphibious Brigade (MAB) operations center. (Current mission.) <b>REQUIREMENT:</b> An adequate administrative building to accommodate consolidating the headquarters functions of the newly reorganized and expanded 4th MAB headquarters. The mission of the Headquarters, 4th MAB, Fleet Marine Force Atlantic, is to provide the command element for a brigade-sized Marine task force of integrated ground combat, aviation combat, and combat service support forces. This organization has grown from a nucleus planning staff of 61 Marine and Navy officers and enlisted personnel to a fully operational Marine air-ground task force headquarters of approximately 168 personnel, including an integral headquarters and service company. It provides the command, control, and coordination capability essential for effective planning and execution of exercise and contingency operations for a force of 10,000 to 17,000 Marines.						

(Continued on DD 1391c)

1. COMPONENT  NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																						
3. INSTALLATION AND LOCATION  MARINE CORPS DETACHMENT, CAMP ELMORE, VIRGINIA																								
4. PROJECT TITLE  OPERATIONS CENTER		5. PROJECT NUMBER  P-801																						
<p>11. REQUIREMENT: (Continued)</p> <p><b>CURRENT SITUATION:</b> The headquarters functions are housed in spatially and functionally inadequate buildings scattered over a distance of three miles. As the staff expanded, it was necessary to find additional work spaces. Presently, the headquarters functions are located in five different locations. Headquarters and headquarters administrative support are located at two sites, and motor transport, supply, and the armory are at three other sites. When the MAB is fully expanded, these sites will accommodate the 26 functional sections of general and special staff of the headquarters, and a portion of the eight functional sections of the headquarters and service company.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Lack of adequate and consolidated work spaces results in severe coordination and communication problems, inefficient utilization of resources, and loss of valuable time. The ability to accomplish the assigned missions will continue to be degraded resulting in reduced operational readiness.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">6-87</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">5-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">1-90</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 160 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 100 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">260</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 210 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 50 )</td> </tr> </table> <p>(4) Construction start..... <span style="float: right;">12-90</span> (month and year)</p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>			(a) Date Design Started.....	6-87	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	( 160 )	(b) All Other Design Costs.....	( 100 )	(c) Total.....	260	(d) Contract.....	( 210 )	(e) In-house.....	( 50 )
(a) Date Design Started.....	6-87																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	5-89																							
(d) Date Design Complete.....	1-90																							
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	N/A																							
(a) Production of Plans and Specifications.....	( 160 )																							
(b) All Other Design Costs.....	( 100 )																							
(c) Total.....	260																							
(d) Contract.....	( 210 )																							
(e) In-house.....	( 50 )																							

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM						2. DATE		
3. INSTALLATION AND LOCATION NAVAL SPACE SURVEILLANCE SYSTEM, DAHLGREN, VIRGINIA				4. COMMAND CHIEF OF NAVAL OPERATIONS			5. AREA CONSTR. COST INDEX .92			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
	a. AS OF 09/30/88	21	25	146	0	0	0	0	0	
b. END FY 1994	18	56	171	0	0	0	0	0	0	245
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 2,193)										
b. INVENTORY TOTAL AS OF 30 SEP 88 13,270										
c. AUTHORIZATION NOT YET IN INVENTORY 0										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 9,800										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS 0										
g. REMAINING DEFICIENCY 0										
h. GRAND TOTAL 23,070										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
143.17	SPACE SURVEILLANCE CTR				51,000 SF	9,800	11/88 12/89			
	TOTAL					9,800				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS: NONE										
10. MISSION OR MAJOR FUNCTIONS:										
To maintain a constant surveillance of space and provide satellite data as directed by the CNO and higher authority to fulfill Navy and National requirements.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT <b>NAVY</b>		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL SPACE SURVEILLANCE SYSTEM, LAHLGREN, VIRGINIA				4. PROJECT TITLE SPACE SURVEILLANCE CENTER		
5. PROGRAM ELEMENT 0102427N		6. CATEGORY CODE 143.17	7. PROJECT NUMBER P-249		8. PROJECT COST (\$000) 9,800	
9. COST ESTIMATES						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
SPACE SURVEILLANCE CENTER. . . . .	SF	51,000	-	7,120		
BUILDING . . . . .	SF	51,000	104.00	( 5,320)		
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 1,800)		
SUPPORTING FACILITIES. . . . .	-	-	-	( 1,730)		
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 830)		
MECHANICAL UTILITIES . . . . .	LS	-	-	( 240)		
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 660)		
SUBTOTAL . . . . .	-	-	-	8,850		
CONTINGENCY (5%) . . . . .	-	-	-	440		
TOTAL CONTRACT COST. . . . .	-	-	-	9,290		
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	510		
TOTAL REQUEST. . . . .	-	-	-	9,800		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(23,000)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>Two-story steel frame building, reinforced concrete spread foundation, concrete floors, masonry walls with brick facing, insulated built-up roof, TEMPEST shielding, high-altitude electromagnetic pulse (HEMP) protected core, computer flooring, elevator, emergency generators, electric power substation, fire protection system, utilities, air conditioning; several areas constructed to Secret Compartmented Information Facility (SCIF) standards; chilled demineralized water system.</p>						
<p>11. REQUIREMENT: 51,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.  <u>PROJECT:</u> Constructs a space surveillance center including an alternate space defense operation's center (ASPADOC). (Current mission.)  <u>REQUIREMENT:</u> Adequate and properly-configured facilities to accommodate a constant surveillance of space and to provide satellite data to fulfill Navy and national requirements. The Naval Space Surveillance System (NAVSPASUR) supports the operating forces by providing orbital elements, vulnerability data, operational intelligence, and other space-object related information to fleet units. NAVSPASUR also supports the Space Command (SPACECOM), Space Defense Operations Center (SPADOC), by serving as the alternate Space Surveillance Center (SSC) capable of providing the full range of SSC products, functions, and responsibilities, operating and maintaining in-house computer facilities required to perform orbital and celestial mechanics computations, operating a telecommunications center, operating a Space Intelligence Communications (SPINTCOMM) Center to provide special purpose communication services. (Continued on DD 1391c)</p>						

1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE																						
3. INSTALLATION AND LOCATION <b>NAVAL SPACE SURVEILLANCE SYSTEM, DAHLGREN, VIRGINIA</b>																								
4. PROJECT TITLE <b>SPACE SURVEILLANCE CENTER</b>	5. PROJECT NUMBER <b>P-249</b>																							
<p>11. REQUIREMENT: (Continued)</p> <p><b>CURRENT SITUATION:</b> NAVSPASUR occupies grossly overcrowded, non-contiguous spaces on three different levels of a building constructed in 1941. A waiver for automated data processing (ADP) security is currently in force to permit classified ADP operations. The area immediately surrounding the building has become the center of the host's personnel support complex. Expansion of the building is not practical and prohibitively expensive modifications would be necessary to accommodate the planned assumption of information processing at classification levels above SECRET. Additionally, NAVSPASUR requires and will receive new computer equipment in 1993 and 1994, and modernized graphic displays and operations consoles to enhance command and control functions. NAVSPASUR has been assigned new mission functions resulting in an approved personnel growth from 144 to 201 by 1991. This increase in staff cannot be accommodated in the present inadequate facilities.</p> <p><b>IMPACT IF NOT PROVIDED:</b> NAVSPASUR will continue to carry out its present missions in overcrowded, inefficient, and inadequate spaces with a continuing security risk. NAVSPASUR will be unable to carry out the current SPADOC mission or the new classified missions. Significant fleet support capabilities and opportunities will be lost.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(a) Date Design Started.....</td> <td style="width: 20%; text-align: right;">11-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">3-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">12-89</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%;">(a) Standard or Definitive Design:</td> <td style="width: 50%;">Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: center;">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(a) Production of Plans and Specifications.....</td> <td style="width: 20%; text-align: right;">( 670 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 220 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">890</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 780 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 110 )</td> </tr> </table> </div> <p style="text-align: right; margin-right: 50px;">(Continued on DD 1391c)</p>			(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	3-89	(d) Date Design Complete.....	12-89	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	( 670 )	(b) All Other Design Costs.....	( 220 )	(c) Total.....	890	(d) Contract.....	( 780 )	(e) In-house.....	( 110 )
(a) Date Design Started.....	11-88																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	3-89																							
(d) Date Design Complete.....	12-89																							
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	N/A																							
(a) Production of Plans and Specifications.....	( 670 )																							
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(d) Contract.....	( 780 )																							
(e) In-house.....	( 110 )																							

1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL SPACE SURVEILLANCE SYSTEM, DAHLGREN, VIRGINIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
SPACE SURVEILLANCE CENTER		P-249	
12. SUPPLEMENTAL DATA: (Continued)			
(4) Construction start..... <u>1-91</u> (month and year)			
b. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>
Miscellaneous technical and operational intelligence communications equipment	OPN	1992-1994	23,000

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION FLEET COMBAT DIRECTION SYSTEMS SUPPORT ACTIVITY, DAM NECK, VIRGINIA			4. COMMAND NAVAL SEA SYSTEMS COMMAND		5. AREA CONSTR. COST INDEX .92					
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	44	70	238	0	0	0	C	0	0	352
b. END FY 1994	49	105	250	0	0	0	0	0	0	404
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE . . . . . TENANT OF FCTCLANT										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 0										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 0										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 6,330										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0										
g. REMAINING DEFICIENCY . . . . . 0										
h. GRAND TOTAL . . . . . 6,330										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE				
143.40	COMPUTER PROG OPS CTR ADDN			43,820 SF	6,330	11/88    01/90				
	TOTAL				6,330					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS: NONE										
10. MISSION OR MAJOR FUNCTIONS:										
To plan, design, construct, and test and deliver Combat Direction System tactical computer programs for the Operating Forces; to correct, update, modify, enhance and distribute operational and training programs in accordance with evolving fleet requirements; to provide ancillary computer programs in support of computer program development and maintenance; and to provide technical assistance and computer programs to the Shore Establishment.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT . . . . . 0										
B: INSTALLATION RESTORATION . . . . . 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): . . . . . 0										

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION FLEET COMBAT DIRECTION SYSTEMS SUPPORT ACTIVITY, DAM NECK, VIRGINIA			4. PROJECT TITLE COMPUTER PROGRAMMING OPERATIONS CENTER ADDITION		
5. PROGRAM ELEMENT 0702896N	6. CATEGORY CODE 143.40	7. PROJECT NUMBER P-983	8. PROJECT COST (\$000) 6,330		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
COMPUTER PROGRAMMING OPS CENTER ADDITION . .	SF	43,820	-	4,970	
BUILDING ADDITION. . . . .	SF	43,820	71.06	( 3,120)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 1,850)	
SUPPORTING FACILITIES. . . . .	-	-	-	740	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 280)	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 290)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 70)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 100)	
SUBTOTAL . . . . .	-	-	-	5,710	
CONTINGENCY (5%) . . . . .	-	-	-	290	
TOTAL CONTRACT COST. . . . .	-	-	-	6,000	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	330	
TOTAL REQUEST. . . . .	-	-	-	6,330	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(20,000)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Two-story reinforced concrete frame and masonry building addition, pile foundation, built-up roofing, computer flooring, emergency generator, grounding, radio frequency shielding, uninterruptible power supply, intrusion detection system, fire protection system, air conditioning, utilities.					
11. REQUIREMENT: 116,420 SF. ADEQUATE: 72,600 SF. SUBSTANDARD: 0 SF. PROJECT: Constructs addition to computer programming operations center. (Current mission.) REQUIREMENT: Adequate space to house additional equipment and personnel in support of the growing number of ships to be equipped with advanced combat direction systems by 1990. Presently, about 500 advanced combat direction systems are operational. Ultimately, some 650 advanced combat direction and related systems will be supported on ships, aircraft, and submarines. Surface systems include guided missile cruisers, destroyers, frigates, and battleships. Air tactical data systems include the carrier based anti-submarine warfare module and the LAMPS MK III helicopter. Related combat systems include AEGIS, Tactical Data Link, Battle Group Anti-Air Warfare, Ada language system, and the latest mainframe and mini tactical computers. Additional space is required to design, test, maintain, and deliver to the fleet the tactical operations computer programs for these systems. CURRENT SITUATION: Available space and facilities are marginal for operation and support of the computers, peripherals, and other equipment (Continued on DD 1391c)					



1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION FLEET COMBAT DIRECTION SYSTEMS SUPPORT ACTIVITY, DAM NECK, VIRGINIA		
4. PROJECT TITLE COMPUTER PROGRAMMING OPERATIONS CENTER ADDITION	5. PROJECT NUMBER P-983	
<p>11. REQUIREMENT: (Continued)  <u>CURRENT SITUATION:</u> (Continued)            currently installed in the central computer complex and cannot accommodate the increase in advanced combat direction system equipped ships and aircraft. Off-station leasing of commercial space is not an alternative because it is prohibitively expensive when properly-configured and equipped with required security features.  <u>IMPACT IF NOT PROVIDED:</u> Space will not be available for the installation and support of equipment required prior to introduction of new or modified combat direction systems into the fleet. Limited level of support for this vital function will have adverse impact on the operational readiness and combat capability of Navy's aircraft and ships.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p style="margin-left: 40px;">(1) Status:</p> <div style="margin-left: 80px;">             (a) Date Design Started..... <u>11-88</u>              (b) Percent Complete as of January 1990..... <u>100</u>              (c) Date Design 35% Complete..... <u>5-89</u>              (d) Date Design Complete..... <u>1-90</u> </div> <p style="margin-left: 40px;">(2) Basis:</p> <div style="margin-left: 80px;">             (a) Standard or Definitive Design:      Yes <u>      </u> No <u>  X  </u>              (b) Where Design Was Most Recently Used:      <u>  N/A  </u> </div> <p style="margin-left: 40px;">(3) Total cost (c) = (a) + (b) or (d) + (e):      (\$000)</p> <div style="margin-left: 80px;">             (a) Production of Plans and Specifications..... ( <u>  220  </u> )              (b) All Other Design Costs..... ( <u>  360  </u> )              (c) Total..... <u>  580  </u>              (d) Contract..... ( <u>  420  </u> )              (e) In-house..... ( <u>  160  </u> )           </div> <p style="margin-left: 40px;">(4) Construction start..... <u>  3-91  </u>  <div style="margin-left: 100px;">(month and year)</div> </p>		
(Continued on DD 1391c)		

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
FLEET COMBAT DIRECTION SYSTEMS SUPPORT ACTIVITY, DAM NECK, VIRGINIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
COMPUTER PROGRAMMING OPERATIONS CENTER ADDITION		P-983	
12. SUPPLEMENTAL DATA: (Continued)			
b. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>
ACDS Mini-Computer and High Speed Digital Switch	OPN	1988	2,000
Standard Simulation Systems	OPN	1989 - 1990	3,800
ACDS/Share/43 Peripherals	OPN	1989 - 1993	6,200
AN/UYK-43 Computer Systems, Peripherals	OPN	1988 - 1992	6,500
Uninterruptible Power System	OPN	1990	1,500
		TOTAL	20,000

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION  MARINE ENVIRONMENTAL SYSTEMS FACILITY, DAM NECK, VIRGINIA				4. COMMAND  COMMANDER IN CHIEF, ATLANTIC FLEET			5. AREA CONSTR. COST INDEX  .92			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	35	285	29	0	0	0	0	0	0	349
b. END FY 1994	35	285	29	0	0	0	0	0	0	349
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE . . . . . TENANT OF FCTCLANT . . . . . 0										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 11,800										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 8,000										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 0										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0										
g. REMAINING DEFICIENCY . . . . . 0										
h. GRAND TOTAL . . . . . 19,800										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE				
155.21	OPERS & MAINT FACILITIES			LS	8,000	11/88    01/90				
	TOTAL				8,000					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS: NONE										
10. MISSION OR MAJOR FUNCTIONS:										
Conduct research in support of special requirements. Analyze environmental effects caused by usage of marine related equipment and systems.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT . . . . . 0										
B: INSTALLATION RESTORATION . . . . . 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): . . . . . 0										

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>MARINE ENVIRONMENTAL SYSTEMS FACILITY, DAM NECK, VIRGINIA</b>				4. PROJECT TITLE <b>OPERATIONS AND MAINTENANCE FACILITIES</b>		
5. PROGRAM ELEMENT <b>0805796N</b>		6. CATEGORY CODE <b>155.21</b>	7. PROJECT NUMBER <b>P-335</b>		8. PROJECT COST (\$000) <b>8,000</b>	
<b>B. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
OPERATIONS AND MAINTENANCE FACILITIES. . . . .		LS	-	-	4,940	
BOAT STORAGE-OCEANA. . . . .		SF	8,400	60.00	( 500)	
HELICOPTER ENCLOSURE. . . . .		SF	3,000	75.00	( 220)	
VEHICLE DISPATCH OFFICE. . . . .		SF	300	77.00	( 30)	
STORAGE BUILDINGS. . . . .		SF	4,140	60.00	( 250)	
TRAINING COMPLEX. . . . .		SF	16,850	77.00	(1,300)	
BUILDINGS ALTERATIONS. . . . .		LS	-	-	(2,640)	
SUPPORTING FACILITIES. . . . .		-	-	-	2,280	
SUBTOTAL. . . . .		-	-	-	7,220	
CONTINGENCY (5%). . . . .		-	-	-	360	
TOTAL CONTRACT COST. . . . .		-	-	-	7,580	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .		-	-	-	420	
TOTAL REQUEST. . . . .		-	-	-	8,000	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0)	
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>  One one-story, two two-story, one three-story reinforced concrete and masonry buildings, pile foundations, concrete floors, built-up roofing; one one-story masonry vehicle dispatch building; two one-story steel frame and metal siding storage buildings; fueling facility, wash racks; one one-story steel frame metal siding hangar; alterations to three buildings; reinforced concrete drying tower; fire protection system, air conditioning, ventilation, utilities.						
<b>11. REQUIREMENT: As Required.</b> <u>PROJECT:</u> Constructs boat storage facility at NAS Oceana. Constructs training facilities, helicopter enclosure, and operations and maintenance facilities at Fleet Combat Training Center Atlantic, Dam Neck to house the Marine Environmental Systems Facility (MARESFAC) detachment. (New mission.) <u>REQUIREMENT:</u> Operations and administrative offices, research craft maintenance, training facilities, helicopter enclosure, vehicle and other storage and maintenance facilities. The MARESFAC detachment provides oceanographic information and research services to the Fleet. In performing this mission, it uses helicopters and specialized boats and craft which are designed to be air transportable. These craft are outfitted with delicate instruments requiring extensive maintenance and calibration and proper storage facilities to prevent damage to equipment and boat machinery. The transport vehicles such as four-wheel drive trucks and boat trailers need a maintenance shop and storage facilities. An <div style="text-align: right;">(Continued on DD 1391c)</div>						

1. COMPONENT		2. DATE																	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA																	
3. INSTALLATION AND LOCATION																			
MARINE ENVIRONMENTAL SYSTEMS FACILITIES, DAM NECK, VIRGINIA																			
4. PROJECT TITLE		5. PROJECT NUMBER																	
OPERATIONS AND MAINTENANCE FACILITIES		P-335																	
<p>11. REQUIREMENT: (Continued)</p> <p>enclosure is required to keep the helicopters out of the elements and to provide a sheltered maintenance area. The detachment needs operations and administrative spaces for administrative functions and mission planning. Training facilities are necessary. Facilities are required at Dam Neck because this activity supports a majority of the MARESFAC activities, including helicopter, boat and vehicle maintenance. The detachment also uses NAS Oceana as its air transport site. It stores "ready-for-deployment" boats and craft at Oceana to reduce deployment time by eliminating the road transit from Dam Neck to Oceana. No maintenance facilities are available at Oceana and none are planned. Activity mission, personnel strength, and operational equipment are expanding and require additional facilities.</p> <p><u>CURRENT SITUATION:</u> Minimal boat storage and repair facilities are available at Dam Neck. Vehicle maintenance is performed in makeshift facilities. No helicopter enclosure is available. The MARESFAC detachment is now and will continue to receive additional personnel, equipment, boats, and transport vehicles over the next several years. A project approved in the FY 1989 MILCON budget will provide boat storage at both the Dam Neck and Oceana sites. This is the last of a four increment construction program to provide facilities for MARESFAC.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The detachment will lack needed operations and administrative spaces. Boat and vehicle maintenance will be performed either outside or in minimal facilities. The facilities construction program will not keep pace with the detachment's growth. Readiness will be adversely impacted because of the inability to keep the equipment and boats maintained on a regular repair cycle.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started.....</td> <td><u>11-88</u></td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td><u>100</u></td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td><u>5-89</u></td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td><u>1-90</u></td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes</td> <td>No</td> <td><u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3"><u>N/A</u></td> </tr> </table> <p>(Continued on DD 1391c)</p>				(a) Date Design Started.....	<u>11-88</u>	(b) Percent Complete as of January 1990.....	<u>100</u>	(c) Date Design 35% Complete.....	<u>5-89</u>	(d) Date Design Complete.....	<u>1-90</u>	(a) Standard or Definitive Design:	Yes	No	<u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>		
(a) Date Design Started.....	<u>11-88</u>																		
(b) Percent Complete as of January 1990.....	<u>100</u>																		
(c) Date Design 35% Complete.....	<u>5-89</u>																		
(d) Date Design Complete.....	<u>1-90</u>																		
(a) Standard or Definitive Design:	Yes	No	<u>X</u>																
(b) Where Design Was Most Recently Used:	<u>N/A</u>																		

1. COMPONENT	2. DATE	
NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		
MARINE ENVIRONMENTAL SYSTEMS FACILITIES, DAM NECK, VIRGINIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
OPERATIONS AND MAINTENANCE FACILITIES	P-335	
12. SUPPLEMENTAL DATA: (Continued)		
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications..... ( 450 )		
(b) All Other Design Costs..... ( 100 )		
(c) Total..... 550		
(d) Contract..... ( 500 )		
(e) In-house..... ( 50 )		
(4) Construction start..... 1-91		
(month and year)		
b. Equipment associated with this project which will be provided from other appropriations: None.		

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA					4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET			5. AREA CONSTR. COST INDEX .92			
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1994		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
		1160	9979	1300	209	1453	0	57	429	0	
		1142	10160	1300	200	1629	0	57	430	0	14918
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 11,808 )											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 164,850											
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 59,770											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 21,850											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 16,700											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 16,120											
g. REMAINING DEFICIENCY . . . . . 68,650											
h. GRAND TOTAL . . . . . 347,940											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
213.75		LCAC COMPLEX (INCR II)				LS	12,400	12/88	06/90		
217.10		SURTASS SUPPORT CENTER ADN				63,380 SF	7,250	07/87	03/90		
610.10		SURF WAR DEV GRP OPERS FAC				16,900 SF	2,200	11/88	01/90		
		TOTAL					21,850				
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
155.20		LANDING CRAFT CUSHION COMP				LS	7,900				
171.50		SMALL ARMS RANGE				9,100 SF	3,800				
721.11		BACHELOR ENLISTED QUARTERS				118,080 SF	5,000				
		TOTAL					16,700				
B. MAJOR PLANNED NEXT THREE YEARS:											
179.10		EOD TRAINING FAC				LS	4,950				
740.74		CHILD CARE CENTER				LS	1,500				
10. MISSION OR MAJOR FUNCTIONS:											
Serves as the east coast operational base for amphibious ships and units of the Atlantic Fleet Surface Force. Furnish homeport berthing, training, maintenance, personnel and support services. Support annual training exercises.											
LST and LSD Class Vessels						Amphibious Construction Battalion					
Special Warfare Group Two						Amphibious School					
Beach Group Two						Service Squadron Eight					
Explosive Ordnance Disposal Group Two											
School of Music											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 0											
B: INSTALLATION RESTORATION 13,730											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA			4. PROJECT TITLE LANDING CRAFT AIR CUSHION COMPLEX (INCREMENT II)		
5. PROGRAM ELEMENT  0204796N	6. CATEGORY CODE  213.75	7. PROJECT NUMBER  P-337	8. PROJECT COST (\$000)  12,400		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
LANDING CRAFT AIR CUSHION COMPLEX. . . . .	LS	-	-	5,200	
MAINTENANCE BAY. . . . .	SF	25,200	64.00	( 1,610)	
GENERAL WAREHOUSE. . . . .	SF	27,000	42.00	( 1,130)	
GRND SUPPT EQUIP STORAGE AND MAINT GARAGE. . . . .	LS	-	-	( 320)	
SOLID WASTE TREATMENT FACILITY. . . . .	LS	-	-	( 460)	
BUILT-IN EQUIPMENT. . . . .	LS	-	-	( 1,680)	
SUPPORTING FACILITIES. . . . .	-	-	-	6,000	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 160)	
UTILITIES. . . . .	LS	-	-	( 1,140)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 4,700)	
SUBTOTAL. . . . .	-	-	-	11,200	
CONTINGENCY (5%). . . . .	-	-	-	560	
TOTAL CONTRACT COST. . . . .	-	-	-	11,760	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .	-	-	-	640	
TOTAL REQUEST. . . . .	-	-	-	12,400	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p><u>General:</u> Maintenance bay, general warehouse, grounds support equipment storage and maintenance garage, communications security vault, all have structural steel frames, masonry bearing walls, concrete foundations and floors, metal deck roof: Solid Waste Treatment Facility (SWTF) is a two-story pile supported steel frame building, masonry walls, concrete foundations and floors, metal deck roofs.</p> <p><u>Maintenance Bay:</u> Fire protection system, intrusion detection system, communications system, compressed air system, ventilation, 400 Hz electric power, utilities.</p> <p><u>General Warehouse:</u> Fire protection system, ventilation, air conditioning, utilities.</p> <p><u>Solid Waste Treatment Facility:</u> Fire protection system, ventilation, utilities.</p> <p><u>Ground Support Equipment Maintenance Garage and Storage:</u> Fire protection system, cranes and hoists, ventilation, utilities.</p> <p><u>Communications Security Vault:</u> Fire protection system, communications system, radio frequency shielding, utilities.</p>					
11. REQUIREMENT: <u>As Required.</u>					
<p><u>PROJECT:</u> Provides complete and usable operational, maintenance, and support facilities capable of supporting the second increment of 12 Landing Craft Air Cushion (LCAC) vehicles scheduled for arrival in the early 1990's. (New mission.)</p> <p style="text-align: right;">(Continued on DD 1391c)</p>					



1. COMPONENT NAVY	91 FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE								
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA										
4. PROJECT TITLE LANDING CRAFT AIR CUSHION COMPLEX (INCREMENT II)		5. PROJECT NUMBER P-337								
<p>11. REQUIREMENT: (Continued)</p> <p><u>REQUIREMENT:</u> The LCAC is an advanced landing craft that rides on a cushion of air and is capable of delivering personnel and equipment over sea and land. They are high-speed vehicles not restricted by surf and beach conditions and capable of lifting heavy equipment such as battle tanks across the beach from amphibious well-deck ships lying over-the-horizon. LCAC's are highly complex craft powered by four marine gas turbine engines and require unique maintenance and support facilities not available outside the LCAC complex. There were delays in the initial development of the LCAC causing a delivery slip. However, operational tests and evaluation reports indicate that the LCAC's can now meet mission specifications. Congress has approved the first thirty craft through FY 1986. Eighteen more were included in the FY 1988/1989 biennial budget. Delivery of the first twelve craft to Little Creek began in 1987. Facilities to support this first delivery were completed in early 1987. Facilities are required to support the second increment of twelve craft. Ultimate base development is planned to support 45 craft with additional facility increments planned for the mid-1990's. This project will provide an additional maintenance bay capable of housing two of the large (87'x47'x23' high) craft. The bay will be constructed adjacent to the existing maintenance bay and shops. This project will also provide a warehouse, ground support equipment shed, solid waste transfer station, and additional taxiways and parking aprons.</p> <p><u>CURRENT SITUATION:</u> An LCAC support complex was started on an undeveloped parcel of land using FY 1985 Military Construction funds. The first increment is complete and will support the first twelve craft. The completed facilities include a maintenance bay, maintenance shops, parking apron, taxiway to the water, control tower, operations facilities, noise suppressing earth berms, and wash rack. The first five LCAC's have been delivered with the remaining seven of the first squadron expected by 1990. The existing facilities can only accommodate twelve craft. Additional facilities are necessary for the remaining 33 craft. Construction has been programmed in increments tied to the delivery of the craft.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Maintenance and parking facilities will not be available for a second increment of twelve LCAC landing craft. Warehouse facilities for the whole complex will not be available.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started.....</td> <td>12-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>75</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>7-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>6-90</td> </tr> </table> <p>(Continued on DD 1391c)</p>			(a) Date Design Started.....	12-88	(b) Percent Complete as of January 1990.....	75	(c) Date Design 35% Complete.....	7-89	(d) Date Design Complete.....	6-90
(a) Date Design Started.....	12-88									
(b) Percent Complete as of January 1990.....	75									
(c) Date Design 35% Complete.....	7-89									
(d) Date Design Complete.....	6-90									

1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE										
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA												
4. PROJECT TITLE LANDING CRAFT AIR CUSHION COMPLEX (INCREMENT II)	5. PROJECT NUMBER P-337											
<p>12. SUPPLEMENTAL DATA: (Continued)</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes <input type="checkbox"/> No <input checked="" type="checkbox"/> X</p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 600 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 220 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">820</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 750 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 70 )</td> </tr> </table> <p>(4) Construction start..... <u>1-91</u> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Production of Plans and Specifications.....	( 600 )	(b) All Other Design Costs.....	( 220 )	(c) Total.....	820	(d) Contract.....	( 750 )	(e) In-house.....	( 70 )
(a) Production of Plans and Specifications.....	( 600 )											
(b) All Other Design Costs.....	( 220 )											
(c) Total.....	820											
(d) Contract.....	( 750 )											
(e) In-house.....	( 70 )											

1. COMPONENT NAVY		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA			4. PROJECT TITLE SURFACE WARFARE DEVELOPMENT GROUP OPERATIONS FACILITY		
5. PROGRAM ELEMENT  0204796N	6. CATEGORY CODE  610.10	7. PROJECT NUMBER  P-204	8. PROJECT COST (\$000)  2,200		
<b>9. COST ESTIMATES</b>					
ITEM	U/A	SQ FT	UNIT COST	COST (\$000)	
SURFACE WARFARE DEVELOPMENT GROUP OPS FAC. . .	SF	16,900	-	1,610	
BUILDING . . . . .	SF	16,900	85.00	(1,430)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 130)	
TECHNICAL OPERATING MANUALS. . . . .	LS	-	-	( 50)	
SUPPORTING FACILITIES. . . . .	-	-	-	370	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 70)	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 70)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 50)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 180)	
SUBTOTAL . . . . .	-	-	-	1,980	
CONTINGENCY (5%) . . . . .	-	-	-	100	
TOTAL CONTRACT COST. . . . .	-	-	-	2,080	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	120	
TOTAL REQUEST. . . . .	-	-	-	2,200	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		( 0)	
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>					
Two-story steel frame building, pile foundation, concrete floors, engineered fill, elastomeric membrane roof, brick masonry exterior walls, computer flooring, intrusion detection system, fire protection system, shielding, communications system, uninterrupted power supply, air conditioning, utilities.					
<b>11. REQUIREMENT: 16,900 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.</b>					
<b>PROJECT:</b> Relocates administrative facilities currently housed in a World War II vintage structure located within the clear and noise zones of Norfolk International Airport. (Current mission.)					
<b>REQUIREMENT:</b> Relocate the administrative functions of the Surface Warfare Development Group (SWDG) from beneath the northern glide path of Norfolk International Airport's main runway. Adequate and properly-configured facilities for SWDG to support the Naval Surface Forces of the Atlantic and Pacific Fleets by developing and improving surface warfare tactics for embarking surface force ships and by installing and operating automatic data collection equipment for evaluation of at-sea exercises. Collected data is reconstructed on shore computer facilities; evaluated with the development of improvements to Fleet tactics; and manuals rewritten or updated, printed and distributed to the operational forces. Computer simulation of development tactics is conducted to determine effectiveness. SWDG also provides direct, personalized tactical support to tactical					
(Continued on DD 1391c)					

1. COMPONENT	2. DATE	
NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		
NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
SURFACE WARFARE DEVELOPMENT GROUP OPERATIONS FACILITY	P-204	
<p>11. REQUIREMENT: (Continued)  commands through the conduct of tactical seminars, preparation of tactical planning packages, and maintenance of the Surface Warfare Data Base--a compendium of tactical lessons learned.</p> <p><u>CURRENT SITUATION:</u> SWDG functions are located in a building constructed as semi-permanent under wartime conditions during 1943. It is sited within the Norfolk International Airport's approach zone limits. A 1,500-foot runway extension completed in 1972 has resulted in noise levels from approaching aircraft in a range damaging to the human ear, and redefines the approach clear zone to include several administrative buildings including the SWDG building. During an Engineering Evaluation Inspection conducted in 1984, the building was found to be totally obsolete because of severe deterioration. The building was being renovated when it was discovered that the structural members supporting the floor and the steel wall studs had completely rusted through. A wind load analysis for this area indicates that a potential exists for a catastrophic failure of the entire building. Part of the building has already been evacuated which has severely impacted upon the ability of SWDG to perform their mission because of crowding in remaining spaces and dispersion of some functions to other areas of the base.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Administrative functions of SWDG will continue in an existing deteriorating, potentially dangerous building subject to the extreme hazards of noise from low flying airplanes and the potential of a disaster of incalculable proportion. The potential for air disaster was underscored in December 1984 when a twin-engine Beechcraft crashed into the seawall between two of the base's piers on its approach to the airport. The development and evaluation of improvements to fleet tactics in support of the Naval Surface Forces will be severely hampered because of crowding in the deteriorated building and the separation of some functions from the main operations.</p>		
12. SUPPLEMENTAL DATA:		
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")		
(1) Status:		
(a) Date Design Started..... <u>11-88</u>		
(b) Percent Complete as of January 1990..... <u>100</u>		
(c) Date Design 35% Complete..... <u>5-89</u>		
(d) Date Design Complete..... <u>1-90</u>		
(2) Basis:		
(a) Standard or Definitive Design: Yes <u>    </u> No <u>X</u>		
(b) Where Design Was Most Recently Used: <u>N/A</u>		
(Continued on DD 1391c)		

1. COMPONENT	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE
NAVY			
3. INSTALLATION AND LOCATION			
NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
SURFACE WARFARE DEVELOPMENT GROUP OPERATIONS FACILITY		P-204	
12. SUPPLEMENTAL DATA: (Continued)			
(3) Total cost (c) = (a) + (b) or (d) + (e):		(\$000)	
(a) Production of Plans and Specifications.....		( 130 )	
(b) All Other Design Costs.....		( 90 )	
(c) Total.....		220	
(d) Contract.....		( 180 )	
(e) In-house.....		( 40 )	
(4) Construction start.....		1-91	
		(month and year)	
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA			4. PROJECT TITLE SURTASS SUPPORT CENTER ADDITION		
5. PROGRAM ELEMENT 0204796N	6. CATEGORY CODE 217.10	7. PROJECT NUMBER P-418	8. PROJECT COST (\$000) 7,250		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
SURTASS SUPPORT CENTER ADDITION. . . . .	SF	63,380	-	5,540	
BUILDING . . . . .	SF	63,380	68.00	(4,330)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	(1,210)	
SUPPORTING FACILITIES. . . . .	-	-	-	1,000	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 180)	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 160)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 120)	
PAVING AND SITE IMPROVEMENT, DEMOLITION. .	LS	-	-	( 540)	
SUBTOTAL . . . . .	-	-	-	6,540	
CONTINGENCY (5%) . . . . .	-	-	-	330	
TOTAL CONTRACT COST. . . . .	-	-	-	6,870	
SUPERVISION, INSPECTION & OVERHEAD (5.5%).	-	-	-	380	
TOTAL REQUEST. . . . .	-	-	-	7,250	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Two-story steel frame building, pile and grade beam foundation, concrete flooring, elastomeric membrane roofing, pre-cast concrete exterior walls, intrusion detection system, 400 HZ electric power, bridge cranes, fire protection system, radio-frequency shielding, air conditioning, vaults, test tank enclosures, grounding, utilities; demolition of two buildings.					
11. REQUIREMENT: 108,800 SF. ADEQUATE: 45,420 SF. SUBSTANDARD: <u>0</u> SF. PROJECT: Provides an addition to the Surveillance Towed Array Sensor System (SURTASS) support center for increased support functions to accommodate existing and additional programmed Atlantic Fleet SURTASS ships homeported at Little Creek. Second-flight ships will begin arriving in early 1989. (New mission.) REQUIREMENT: Adequate facilities to support SURTASS ships deployed in the Atlantic area. The SURTASS data is sent via satellite link to shore facilities for processing and further transmission to ASW forces. Raw data can also be sent to ASW ships in the area. The SURTASS array is a flexible, tube-like structure containing numerous hydrophones towed with a 300-foot cable. The array generates data at a very high rate. On-board processors lower the rate before transmission to satellites. The ships are 224-foot long and are manned by civilian crews and Navy technicians. The acquisition of the ships was slowed in the early 1980's because of fiscal constraints, but is now on track with the next ten of sixteen authorized.					
(Continued on DD 1391c)					

1. COMPONENT NAVY		2. DATE FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA									
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA											
4. PROJECT TITLE SURTASS SUPPORT CENTER ADDITION		5. PROJECT NUMBER P-418									
<p>11. REQUIREMENT: (Continued)</p> <p>The number of homeported ships assigned to Little Creek will increase from six to fourteen. The other ships will be homeported at Coronado, CA. Required shore support functions include training, equipment storage and maintenance, large lay-down areas for the towed array, cable repair and storage areas, water tank test areas, and administrative office and personnel areas. Additional shore facility support functions not originally envisioned, such as satellite data links, have been assigned and the number of support personnel has been increased, requiring more facility space.</p> <p><u>CURRENT SITUATION:</u> The existing facility constructed in 1985 was designed to support six SURTASS ships. The SURTASS concept has proven to be more successful than planned and the roles and missions of the SURTASS ships have been expanded. This requires more shore support than the original concept called for in the FY 1984 MILCON project. The existing facility is not large enough to accommodate support functions for the additional eight ships and the new missions and personnel assigned to the SURTASS program. The eight additional ships are either currently under design or construction contract. The ships will not only increase in number, but in the amount of complex equipment they carry. The shore support facilities need to be capable of handling four ships in port at one time. Each ship is expected to spend approximately 15 days in port between 60-day deployments. Little Creek is the only Atlantic Fleet SURTASS homeport and provides all shore support. No other facilities exist at Little Creek that can support the new facilities requirement.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Facilities will not be available to support the expanded SURTASS program. Ships will be delayed in port because of the inability of the shore complex to get them ready for deployment. Ship readiness will be degraded with the potential of not being available to the fleet to fill gaps in its underwater surveillance system.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started.....</td> <td>7-87</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>85</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>11-87</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>3-90</td> </tr> </table> <p>(Continued on DD 1391c)</p>				(a) Date Design Started.....	7-87	(b) Percent Complete as of January 1990.....	85	(c) Date Design 35% Complete.....	11-87	(d) Date Design Complete.....	3-90
(a) Date Design Started.....	7-87										
(b) Percent Complete as of January 1990.....	85										
(c) Date Design 35% Complete.....	11-87										
(d) Date Design Complete.....	3-90										

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AMPHIBIOUS BASE, LITTLE CREEK, VIRGINIA			
4. PROJECT TITLE		5. PROJECT NUMBER	
SURTASS SUPPORT CENTER ADDITION		P-418	
12. SUPPLEMENTAL DATA: (Continued)			
(2) Basis:			
(a) Standard or Definitive Design:		Yes <u>      </u> No <u>X</u>	
(b) Where Design Was Most Recently Used:		<u>N/A</u>	
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications.....		( 400 )	
(b) All Other Design Costs.....		( 160 )	
(c) Total.....		560	
(d) Contract.....		( 500 )	
(e) In-house.....		( 60 )	
(4) Construction start..... <u>1-91</u>			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			



1. COMPONENT NAVY	FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS SCHOOL, LITTLE CREEK, VIRGINIA				4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING			5. AREA CONSTR. COST INDEX .92			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	24	142	14	37	245	0	0	0	0	462
b. END FY 1994	29	136	14	46	312	0	0	0	0	537
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE										
b. INVENTORY TOTAL AS OF 30 SEP 88										
c. AUTHORIZATION NOT YET IN INVENTORY										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										
f. PLANNED IN NEXT THREE PROGRAM YEARS										
g. REMAINING DEFICIENCY										
h. GRAND TOTAL										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
171.20	TRAINING MATERIALS STORAGE				LS	800	06/87	05/89		
171.35	LCAC TRAINING FAC				11,300 SF	1,440	01/87	11/89		
	TOTAL					2,240				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
NONE										
B. MAJOR PLANNED NEXT THREE YEARS:										
NONE										
10. MISSION OR MAJOR FUNCTIONS:										
Provide training for active, reserve, and allied military personnel and units to achieve and maintain an optimum state of readiness for amphibious operations. Provide training in shipboard engineering, naval gunfire support, and ship handling.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT										
B: INSTALLATION RESTORATION										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):										

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS SCHOOL, LITTLE CREEK, VIRGINIA			4. PROJECT TITLE LANDING CRAFT AIR CUSHION TRAINING FACILITY		
5. PROGRAM ELEMENT  0805796N	6. CATEGORY CODE  171.35	7. PROJECT NUMBER  P-366	8. PROJECT COST (\$000)  1,440		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
LANDING CRAFT AIR CUSHION TRAINING FACILITY.	SF	11,300	-	1,170	
BUILDING . . . . .	SF	11,300	95.00	(1,070)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 100)	
SUPPORTING FACILITIES. . . . .	-	-	-	130	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 70)	
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	( 60)	
SUBTOTAL . . . . .	-	-	-	1,300	
CONTINGENCY (5%) . . . . .	-	-	-	70	
TOTAL CONTRACT COST. . . . .	-	-	-	1,370	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	70	
TOTAL REQUEST. . . . .	-	-	-	1,440	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(17,300)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One-story reinforced concrete frame and masonry building, concrete foundation and floor, built-up roof, computer flooring, two high-bay areas with hoists, fire protection system, air conditioning, utilities.					
11. REQUIREMENT: <u>11,300</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>0</u> SF. PROJECT: Constructs a Landing Craft Air Cushion (LCAC) vehicle training facility. (New mission.) REQUIREMENT: Adequate facilities for instructing personnel in the operation and maintenance of LCAC vehicles. These vehicles offer an amphibious assault capability far superior to any previous type. To realize this capability, personnel must be trained to operate and maintain the new craft. CURRENT SITUATION: There are no facilities available which can be used for this training. There are three operator and two maintenance courses planned, ranging from four to twelve weeks. Training devices will be procured for operator training, with delivery in 1989. About 100 people will be trained annually. Four LCAC craft are currently on-station, with a total of 45 craft estimated to be on-station by 1994. IMPACT IF NOT PROVIDED: A facility to house the trainers will not be available. LCAC personnel will be limited to on-the-job training. The amphibious assault capabilities of the LCAC will not be fully realized.					
(Continued on DD 1391c)					

1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS SCHOOL, LITTLE CREEK, VIRGINIA		
4. PROJECT TITLE LANDING CRAFT AIR CUSHION TRAINING FACILITY	5. PROJECT NUMBER P-366	

12. SUPPLEMENTAL DATA:

a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a) Date Design Started.....	1-87
(b) Percent Complete as of January 1990.....	100
(c) Date Design 35% Complete.....	2-89
(d) Date Design Complete.....	11-89

(2) Basis:

(a) Standard or Definitive Design:	Yes _____ No <u>X</u>
(b) Where Design Was Most Recently Used:	<u>N/A</u>

(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)

(a) Production of Plans and Specifications.....	( 0 )
(b) All Other Design Costs.....	( 110 )
(c) Total.....	110
(d) Contract.....	( 10 )
(e) In-house.....	( 100 )

(4) Construction start..... 1-91  
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>
LCAC Operator Trainer, Cockpit Trainer	OPN	1989	17,300

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION FLEET TRAINING CENTER, NORFOLK, VIRGINIA			4. COMMAND CHIEF OF NAVAL EDUCATION AND TRAINING			5. AREA CONSTR. COST INDEX .92				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	82	823	31	155	2785	0	0	0	0	3886
b. END FY 1994	84	873	31	155	2819	0	0	0	0	3962
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE . . . . . TENANT OF NS										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 17,210										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 0										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 18,000										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 12,200										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 2,100										
g. REMAINING DEFICIENCY . . . . . 2,300										
h. GRAND TOTAL . . . . . 51,810										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS START . . . . . COMPLETE				
171.20	ELEC TRADES TRNG BLDG ADDN			61,670 SF	6,000	06/84	08/89			
179.45	FIRE FIGHTING TRAIN FAC			LS	12,000	10/85	01/90			
	TOTAL				18,000					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
171.20	ELECTRICIAN'S INSTRUCT BLD			90,000 SF	12,200					
	TOTAL				12,200					
B. MAJOR PLANNED NEXT THREE YEARS:										
610.10	RENOVATE ADMIN SPACE			45,000 SF	2,100					
10. MISSION OR MAJOR FUNCTIONS:										
Develop and provide training in the operation and maintenance of shipboard systems. Courses include communication, navigation, electrical, electronic, mechanical, propulsion, damage control and fire fighting.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT				0						
B: INSTALLATION RESTORATION				0						
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):				0						

1. COMPONENT <b>NAVY</b>		FY 1991. MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>FLEET TRAINING CENTER, NORFOLK, VIRGINIA</b>				4. PROJECT TITLE <b>ELECTRICAL TRADES TRAINING BUILDING ADDITION</b>		
5. PROGRAM ELEMENT <b>0805796N</b>		6. CATEGORY CODE <b>171.20</b>	7. PROJECT NUMBER <b>P-179</b>		8. PROJECT COST (\$000) <b>6,000</b>	
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
ELECTRICAL TRADES TRAINING BUILDING ADDITION		SF	61,670	-	4,920	
BUILDING ADDITION. . . . .		SF	61,670	78.00	(4,810)	
BUILT-IN EQUIPMENT . . . . .		LS	-	-	( 110)	
SUPPORTING FACILITIES. . . . .		-	-	-	500	
SPECIAL CONSTRUCTION FEATURES. . . . .		LS	-	-	( 220)	
UTILITIES. . . . .		LS	-	-	( 130)	
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 60)	
DEMOLITION . . . . .		LS	-	-	( 90)	
SUBTOTAL . . . . .		-	-	-	5,420	
CONTINGENCY (5%) . . . . .		-	-	-	270	
TOTAL CONTRACT COST. . . . .		-	-	-	5,690	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .		-	-	-	310	
TOTAL REQUEST. . . . .		-	-	-	6,000	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0)	
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>						
<p>Four-story steel frame building addition, pile foundation, masonry walls with brick facing, concrete floors, built-up roof, elevator, compressed air system, 400 HZ electric power, fire protection system, air conditioning, utilities; demolition of two buildings.</p>						
<b>11. REQUIREMENT: 107,120 SF. ADEQUATE: 45,450 SF. SUBSTANDARD: 0 SF.</b>						
<p><b>PROJECT:</b> Provides a training building addition. (Current mission.)</p> <p><b>REQUIREMENT:</b> Adequate facilities for teaching courses in advanced electrical subjects, automatic boiler controls, air conditioning, and refrigeration to provide skilled operating and maintenance personnel for fleet ships. An instruction building is necessary to accommodate an expansion in the number of courses to be taught and to relieve congestion and overcrowding.</p> <p><b>CURRENT SITUATION:</b> Courses are being taught in inadequate facilities and in parts of three different buildings on loan from the Naval Base. Spaces are too small and crowded for effective instruction. Severe space constraints forces expendable and necessary materials to be stored in classrooms or laboratories, further reducing the space available for instruction. Some trainers are not connected for operation because of inadequate utilities. Students are trained in four different locations, requiring additional effort to coordinate instruction. Courses include electric motor rewind, solid state devices, propulsion alarms, boiler</p>						

(Continued on DD 1391c)

1. COMPONENT  NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION  FLEET TRAINING CENTER, NORFOLK, VIRGINIA		
4. PROJECT TITLE  ELECTRICAL TRADES TRAINING BUILDING ADDITION	5. PROJECT NUMBER  P-179	
<p>11. REQUIREMENT: (Continued)  CURRENT SITUATION: (Continued)  feedwater treatment, and fundamentals of hydraulics. Courses range from one to eight weeks. There are 200 students on-board at one time, with 4,000 graduated annually.  IMPACT IF NOT PROVIDED: Students will be trained on non-functional trainers and simulators in an unsatisfactory environment, with no chance of learning new concepts as modernization of equipment takes place. Personnel will report to fleet billets at less than optimum proficiency, requiring longer-on-the-job training to reach journeyman performance levels.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> (1) Status:  (a) Date Design Started..... <u>6-84</u>  (b) Percent Complete as of January 1990..... <u>100</u>  (c) Date Design 35% Complete..... <u>11-84</u>  (d) Date Design Complete..... <u>8-89</u> </div> <div style="margin-left: 80px;"> (2) Basis:  (a) Standard or Definitive Design: Yes _____ No <u>X</u>  (b) Where Design Was Most Recently Used: <u>N/A</u> </div> <div style="margin-left: 80px;"> (3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)  (a) Production of Plans and Specifications..... ( <u>300</u> )  (b) All Other Design Costs..... ( <u>100</u> )  (c) Total..... <u>400</u>  (d) Contract..... ( <u>360</u> )  (e) In-house..... ( <u>40</u> ) </div> <div style="margin-left: 80px;"> (4) Construction start..... <u>1-91</u>  (month and year) </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT <b>NAVY</b>		2. DATE	
3. INSTALLATION AND LOCATION <b>FLEET TRAINING CENTER, NORFOLK, VIRGINIA</b>		4. PROJECT TITLE <b>FIRE FIGHTING TRAINING FACILITY</b>	
5. PROGRAM ELEMENT <b>0805796N</b>	6. CATEGORY CODE <b>179.45</b>	7. PROJECT NUMBER <b>P-180</b>	8. PROJECT COST (\$000) <b>12,000</b>
9. COST ESTIMATES			
ITEM	U/M	QUANTITY	COST (\$000)
FIRE FIGHTING TRAINING FACILITY. . . . .	LS	-	6,800
SHIP MOCK-UP STRUCTURES. . . . .	SF	20,180	196.00 (3,950)
FLIGHT DECK MOCK-UP STRUCTURE. . . . .	SF	14,780	160.00 (2,370)
STORAGE BUILDING . . . . .	SF	2,500	44.00 ( 110)
CONTROL AND UTILITIES BUILDING . . . . .	SF	2,500	108.00 ( 270)
TECHNICAL OPERATING MANUALS. . . . .	LS	-	( 100)
SUPPORTING FACILITIES. . . . .	-	-	4,030
UTILITIES. . . . .	LS	-	(2,830)
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	( 600)
DEMOLITION . . . . .	LS	-	( 600)
SUBTOTAL . . . . .	-	-	10,830
CONTINGENCY (5%) . . . . .	-	-	540
TOTAL CONTRACT COST. . . . .	-	-	11,370
SUPERVISION, INSPECTION AND OVERHEAD (5.5%). . . . .	-	-	630
TOTAL REQUEST. . . . .	-	-	12,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD) (16,180)
10. DESCRIPTION OF PROPOSED CONSTRUCTION			
Mock-up structures; reinforced concrete and masonry buildings; concrete foundations and floors; ventilation systems, pollution abatement system, computer flooring, compressed air system, hoists, fuel storage, fire protection system, air conditioning, utilities; demolition of 31 buildings.			
11. REQUIREMENT: <u>As Required.</u>			
PROJECT: Constructs fire fighting training facility for surface, shipboard, and aircraft carrier deck fires. (Current mission.)			
REQUIREMENT: Adequate fire fighting training facilities to accommodate and satisfy a mandatory requirement for all officer and enlisted personnel. Additional practical and theoretical fire fighting training is necessary for personnel assigned to damage control parties. This project will provide facilities for a basic introductory level fire fighting trainer, an advanced level trainer for coordinated fire fighting team practice, and an aircraft carrier flight deck fire fighting trainer. All proposed trainers will be environmentally clean and offer significantly improved levels of training. Instructors can produce fire situations at will on simulators until the proper student response is received.			
CURRENT SITUATION: The existing oil-fired trainers require an extensive amount of time and materials for cleanup and restart between training sessions and are not conducive to team damage control training. They emit			

(Continued on DD 1391c)

1. COMPONENT <b>NAVY</b>	FY 19 <sup>91</sup> <b>MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE								
3. INSTALLATION AND LOCATION <b>FLEET TRAINING CENTER, NORFOLK, VIRGINIA</b>										
4. PROJECT TITLE <b>FIRE FIGHTING TRAINING FACILITY</b>		5. PROJECT NUMBER <b>P-180</b>								
<p>11. REQUIREMENT: (Continued)  <u>CURRENT SITUATION:</u> (Continued)  large clouds of black smoke and great amounts of particulates into the atmosphere. They do not simulate all potential types of shipboard fires. Trainers are operated under an exemption from state air quality standards.  <u>IMPACT IF NOT PROVIDED:</u> Adverse impact on ship's survivability because personnel will not be adequately trained in these valuable skills.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> (1) Status:  (a) Date Design Started..... <u>1U-85</u>  (b) Percent Complete as of January 1990..... <u>100</u>  (c) Date Design 35% Complete..... <u>4-89</u>  (d) Date Design Complete..... <u>1-90</u> </div> <div style="margin-left: 80px;"> (2) Basis:  (a) Standard or Definitive Design: Yes <u>    </u> No <u>X</u>  (b) Where Design Was Most Recently Used: <u>N/A</u> </div> <div style="margin-left: 80px;"> (3) Total cost (c) = (a) + (b) or (d) + (e): <u>(\$000)</u>  (a) Production of Plans and Specifications..... ( <u>700</u> )  (b) All Other Design Costs..... ( <u>250</u> )  (c) Total..... <u>950</u>  (d) Contract..... ( <u>850</u> )  (e) In-house..... ( <u>100</u> ) </div> <div style="margin-left: 80px;"> (4) Construction start..... <u>1-91</u>  <div style="text-align: right;">(month and year)</div> </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-left: 80px; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u> <u>Nomenclature</u></th> <th style="text-align: left;"><u>Procuring</u> <u>Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u></th> <th style="text-align: left;"><u>Cost</u> <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Fire Fighting Trainers</td> <td>OPN-BA 7</td> <td>1992</td> <td>16,180</td> </tr> </tbody> </table>			<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u>	<u>Cost</u> <u>(\$000)</u>	Fire Fighting Trainers	OPN-BA 7	1992	16,180
<u>Equipment</u> <u>Nomenclature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u>	<u>Cost</u> <u>(\$000)</u>							
Fire Fighting Trainers	OPN-BA 7	1992	16,180							



1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION NAVAL COMMUNICATION MASTER AREA STATION LANT, NORFOLK, VIRGINIA					4. COMMAND NAVAL TELECOMMUNI- CATIONS COMMAND		5. AREA CONSTR. COST INDEX .92				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88		27	470	301	0	0	0	0	0	0	798
b. END FY 1994		24	473	301	0	0	0	0	0	0	798
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 1,471)											
b. INVENTORY TOTAL AS OF 30 SEP 88 44,300											
c. AUTHORIZATION NOT YET IN INVENTORY 8,400											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 5,370											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 4,100											
f. PLANNED IN NEXT THREE PROGRAM YEARS 0											
g. REMAINING DEFICIENCY 4,500											
h. GRAND TOTAL 66,670											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
131.15		COMMUNICATION CTR ADDN				45,000 SF	5,370	11/88 01/90			
		TOTAL					5,370				
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
132.10		VLF ANTENNA				LS	2,100				
812.30		ELECTR DISTR SYS IMPVS				LS	2,000				
		TOTAL					4,100				
B. MAJOR PLANNED NEXT THREE YEARS: NONE											
10. MISSION OR MAJOR FUNCTIONS:											
As an activity of the Naval telecommunications system, to manage, operate, and maintain those facilities, systems, equipment and devices necessary to provide requisite communications for the command, operational control, and administration of the Naval establishment; to manage, operate, and maintain those facilities and equipment of the Defense telecommunications system and the Coast Guard as assigned; and to perform such other functions as may be directed by the Chief of Naval Operations.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 0											
B: INSTALLATION RESTORATION 0											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL COMMUNICATIONS AREA MASTER STATION ATLANTIC, NORFOLK, VIRGINIA			4. PROJECT TITLE COMMUNICATION CENTER ADDITION		
5. PROGRAM ELEMENT 0303196N	6. CATEGORY CODE 131.15	7. PROJECT NUMBER P-141	8. PROJECT COST (\$000) 5,370		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
COMMUNICATION CENTER ADDITION. . . . .	SF	45,000	-	3,490	
BUILDING ADDITION. . . . .	SF	45,000	68.00	(3,040)	
BUILT-IN EQUIPMENT. . . . .	LS	-	-	( 450)	
SUPPORTING FACILITIES. . . . .	-	-	-	1,360	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 500)	
UTILITIES. . . . .	LS	-	-	( 400)	
PAVING AND SITE IMPROVEMENT, DEMOLITION. . . . .	LS	-	-	( 460)	
SUBTOTAL. . . . .	-	-	-	4,850	
CONTINGENCY (5%). . . . .	-	-	-	240	
TOTAL CONTRACT COST. . . . .	-	-	-	5,090	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%). . . . .	-	-	-	280	
TOTAL REQUEST. . . . .	-	-	-	5,370	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION Two-story steel frame building addition, pile foundation, concrete floors, masonry walls, built-up roof, electronic equipment spaces, computer flooring, fire protection system, air conditioning, utilities; demolition of three buildings.					
11. REQUIREMENT: 93,640 SF. ADEQUATE: 48,640 SF. SUBSTANDARD: 0 SF. PROJECT: Constructs building addition to the communication center to house electronic equipment, administrative areas, and general warehouse space. (Current mission.) REQUIREMENT: Adequate and properly-configured requisite space to house basic management, operational, and support functions essential for performing the overall communications mission of the command. The station is the primary hub for communications circuitry passing into and out of the geographic region supporting over 800 commands and activities and all forces afloat in the Atlantic Area. New program installation requirements exceed the floor space availability to house the equipment and technical support functions. CURRENT SITUATION: Communication equipment spaces are centrally located in one building. The addition of a new Navy and Defense Communications System has filled existing spaces, leaving further installations subject to TEMPEST, safety and operational risks. Outside of the equipment spaces, management, operational, and support functions are presently dispersed					

(Continued on DD 1391c)

1. COMPONENT  NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION  NAVAL COMMUNICATIONS AREA MASTER STATION ATLANTIC, NORFOLK, VIRGINIA		
4. PROJECT TITLE  COMMUNICATION CENTER ADDITION	5. PROJECT NUMBER  P-141	
<p>11. REQUIREMENT: (Continued)  <u>CURRENT SITUATION:</u> (Continued)  among five separate buildings precluding close coordination, efficiency of effort, and optimum control. Only minimal space for these functions is available in close proximity to the equipment spaces, with the majority of functions housed in three metal buildings and in alternate-host provided spaces, all of which are inadequate and congested.  <u>IMPACT IF NOT PROVIDED:</u> Activity inability to support the major joint, fleet commander, and subordinate operational and type commanders sponsoring command and control, intelligence, targeting and tactical communications subsystems.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> (1) Status:  (a) Date Design Started..... 11-88  (b) Percent Complete as of January 1990..... 100  (c) Date Design 35% Complete..... 5-89  (d) Date Design Complete..... 1-90 </div> <div style="margin-left: 80px;"> (2) Basis:  (a) Standard or Definitive Design: Yes _____ No <u>X</u>  (b) Where Design Was Most Recently Used: <u>N/A</u> </div> <div style="margin-left: 80px;"> (3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)  (a) Production of Plans and Specifications..... ( 300 )  (b) All Other Design Costs..... ( 150 )  (c) Total..... 450  (d) Contract..... ( 400 )  (e) In-house..... ( 50 ) </div> <div style="margin-left: 80px;"> (4) Construction start..... 1-91  (month and year) </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM						2. DATE			
3. INSTALLATION AND LOCATION NAVAL STATION, NORFOLK, VIRGINIA				4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET			5. AREA CONSTR. COST INDEX .92				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88		3864	50777	1460	18	175	0	340	1955	0	58589
b. END FY 1994		3513	52631	1460	18	175	0	375	1955	0	60127
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 181)											
b. INVENTORY TOTAL AS OF 30 SEP 88 180,110											
c. AUTHORIZATION NOT YET IN INVENTORY 0											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 9,000											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 5,140											
f. PLANNED IN NEXT THREE PROGRAM YEARS 2,580											
g. REMAINING DEFICIENCY 35,900											
h. GRAND TOTAL 232,730											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE				
812.12	ELECTRIC POWER UPGRADE				LS	9,000	11/88 01/90				
	TOTAL					9,000					
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
148.25	TRUCK CHECK FACILITY				LS	1,000					
730.15	BRIG RENOVATIONS				62,440 SF	3,800					
880.10	FIRE ALARM SYS IMPROV				LS	340					
	TOTAL					5,140					
B. MAJOR PLANNED NEXT THREE YEARS:											
151.80	ORDGE DEPERM MINE SWP ASSM				LS	2,040					
610.10	PASS OFFICE				LS	540					
10. MISSION OR MAJOR FUNCTIONS:											
Functions as the primary operating base of the Atlantic Fleet, homeport to over 100 ships, including aircraft carriers, surface escorts and other combatants, logistics support ships, and attack submarines. This station is the hub of the major Tidewater Logistics Complex of Hampton Roads, Portsmouth, Town and Little Creek. Supporting the following activities:											
Amphibious Group						Naval Air Station					
Cruiser-Destroyer Group						Naval Aviation Depot					
Attack Submarine Squadrons						Nuclear Weapons Training Center					
Fleet Training Center						Navy Public Works Center					
Shore Intermediate Maint. Act.						Naval Supply Center					
Service Group											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 0											
B: INSTALLATION RESTORATION 0											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT <b>NAVY</b>		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL STATION, NORFOLK, VIRGINIA</b>		4. PROJECT TITLE <b>ELECTRIC POWER UPGRADE</b>	
5. PROGRAM ELEMENT <b>0204796N</b>	6. CATEGORY CODE <b>812.12</b>	7. PROJECT NUMBER <b>P-834</b>	8. PROJECT COST (\$000) <b>9,000</b>
<b>9. COST ESTIMATES</b>			
ITEM	U/M	QUANTITY	UNIT COST COST (\$000)
ELECTRIC POWER UPGRADE . . . . .	LS	-	8,120
SUBTOTAL . . . . .	-	-	8,120
CONTINGENCY (5%) . . . . .	-	-	410
TOTAL CONTRACT COST. . . . .	-	-	8,530
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	470
TOTAL REQUEST. . . . .	-	-	9,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD) ( 0)
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b> Provide 3750/4688 KVA fixed substations, 3750/4688 KVA portable substations; relocate and provide new receptacle groups; rebuild and enlarge existing and provide new above deck substation vaults, 2000 KVA transformers, new duct bank and manholes; replace transformers with 34.5 KVA transformers; new under pier vaults; fan cooling for substations; oil switches; improve distribution systems on six piers.			
<b>11. REQUIREMENT: As Required.</b> <b>PROJECT:</b> Upgrades shore electric power capacity on six piers. (Current mission.) <b>REQUIREMENT:</b> The demand for cold-iron electric power has greatly increased at the station's waterfront because of the new classes of destroyers (DD-963 and DD-993) being assigned. A ship goes cold-iron when in port by shutting down its power plant and connecting to shore systems. This allows the crew to repair and maintain the on-board power plant while essential utilities are provided from shore. It is less costly to connect to shore-side utilities than to operate the ships' systems. Cold-iron support requires fewer crew members to remain on board, thus allowing the crew time ashore for training and leave. The DD-963 and DD-993 class destroyers need more electric power to operate their enlarged electronic weapons packages while conducting in-port training. These ships are designed to utilize pierside training vans which are connected to the ships' electronics systems and are used to simulate radar intercepts, electronic warfare, and <div style="text-align: right;">(Continued on DD 1391c)</div>			

1. COMPONENT	2. DATE	
NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		
NAVAL STATION, NORFOLK, VIRGINIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
ELECTRIC POWER UPGRADE	P-834	
<p>11. REQUIREMENT: (Continued)</p> <p>other exercises in a realistic manner. This allows crew members to train at pierside instead of only at sea. These on-board electronics systems require vast quantities of electric power. The training vans also place additional power requirements on the pier utility systems.</p> <p><u>CURRENT SITUATION:</u> Sufficient electric shore power does not exist at Piers 2,3,5,7,24 and 25 to meet the demand during peak berthing periods. Modern destroyers require more electric power than their predecessors because of the numerous power-hungry radar, communications, and other weapons systems on-board the ship. These systems are operated while the ship is on cold-iron for systems maintenance and training. Many of the newer class ships use electrical space heating, placing a large demand on shore power support during the winter.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The station will be unable to provide the necessary electrical support to the ships homeported. Consequently, the in-port maintenance of and training on shipboard electronics systems is adversely affected. Material and personnel readiness of combatant ships and crews will be diminished because electric power and other services are not available on piers. Scheduled port periods for training, maintenance, and replenishment in preparation for deployment will not be used effectively.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... 11-88</p> <p>(b) Percent Complete as of January 1990..... 100</p> <p>(c) Date Design 35% Complete..... 5-89</p> <p>(d) Date Design Complete..... 1-90</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes No <input checked="" type="checkbox"/> X</p> <p>(b) Where Design Was Most Recently Used: N/A</p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( 500 )</p> <p>(b) All Other Design Costs..... ( 160 )</p> <p>(c) Total..... 660</p> <p>(d) Contract..... ( 600 )</p> <p>(e) In-house..... ( 60 )</p> <p>(4) Construction start..... 1-91</p> <p>(month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, NORFOLK, VIRGINIA				4. COMMAND NAVAL SUPPLY SYSTEMS COMMAND			5. AREA CONSTR. COST INDEX .92				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88		30	28	3259	0	0	26	0	0	539	3882
b. END FY 1994		30	28	3259	0	0	26	0	0	539	3882
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 1.005)											
b. INVENTORY TOTAL AS OF 30 SEP 88 83,770											
c. AUTHORIZATION NOT YET IN INVENTORY 19,360											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 6,400											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 1,000											
f. PLANNED IN NEXT THREE PROGRAM YEARS 6,700											
g. REMAINING DEFICIENCY 1,100											
h. GRAND TOTAL 118,330											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	STATUS COMPLETE						
441.10	GENERAL WAREHOUSE	131,250 SF	6,400	11/88	01/90						
	TOTAL		6,400								
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
151.60	FENDERING REPLACEMENT	LS	1,000								
	TOTAL		1,000								
B. MAJOR PLANNED NEXT THREE YEARS:											
131.35	CONSOL RECEIVING FAC	LS	5,400								
441.35	LUMBER & PALLET STORAGE	36,700 SF	1,300								
10. MISSION OR MAJOR FUNCTIONS:											
Supply services for activities in the geographic area, overseas activities in the Atlantic and Mediterranean areas, and active fleet and reserve units including the Military Sealift Command and Coast Guard. Supply support for inert nuclear materials and services are provided Eastern Continental Navy and Marine Corps units and the Atlantic Fleet. Other services include operating Department of Defense common-user ocean terminal and the Norfolk Air Terminal of the supply center, and serving as defense fuel support point for the Defense Logistics Agency bulk petroleum products, and as point for Navy Prepositioned War Reserve Material Stock.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 0											
B: INSTALLATION RESTORATION 0											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL SUPPLY CENTER, NORFOLK, VIRGINIA			4. PROJECT TITLE GENERAL WAREHOUSE		
5. PROGRAM ELEMENT 0702896N	6. CATEGORY CODE 441.10	7. PROJECT NUMBER P-444	8. PROJECT COST (\$000) 6,400		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
GENERAL WAREHOUSE. . . . .	SF	131,250	33.00	4,370	
SUPPORTING FACILITIES. . . . .		-	-	1,410	
SPECIAL CONSTRUCTION FEATURES. . . . .		-	-	( 390)	
UTILITIES. . . . .	LS	-	-	( 350)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 440)	
DEMOLITION AND ASBESTOS REMOVAL. . . . .	LS	-	-	( 230)	
SUBTOTAL . . . . .	-	-	-	5,780	
CONTINGENCY (5%) . . . . .	-	-	-	290	
TOTAL CONTRACT COST. . . . .	-	-	-	6,070	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	330	
TOTAL REQUEST. . . . .	-	-	-	6,400	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One-story steel frame metal building with stacking height of 20-feet, pile foundation, concrete floor, fire protection system, ventilation, air conditioning, utilities; demolition of one building, including asbestos removal.					
11. REQUIREMENT: 2,593,750 SF. ADEQUATE: 2,462,500 SF. SUBSTANDARD: 0 SF. PROJECT: Constructs warehouse for efficient receipt, issue, and storage of large quantities of bulk materials in support of the fleet. (Current mission.) REQUIREMENT: Adequate storage space is vitally needed for bulk materials issued on a daily basis to Atlantic Fleet ships and shore commands in the Tidewater area. The readiness of ships for deployment is directly dependent on the capability for rapid and complete reprovisioning. CURRENT SITUATION: Well over half of the warehouse facilities at this center are classified as inadequate, with most of the structures being of World War I or II vintage. The building to be replaced was constructed in 1917 and is well beyond economical repair. Supply operations in the building are hampered by flooding during periods of heavy rainfall. The building falls far short of current storage technology because of limited stacking height, deteriorated condition, and inefficiencies inherent in ground-level construction. Rainwater infiltrates through the roof and siding promoting the growth of bacteria and mold on the interior and contents of the building.					

(Continued on DD 1391c)



1. COMPONENT	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																						
NAVY																								
3. INSTALLATION AND LOCATION																								
NAVAL SUPPLY CENTER, NORFOLK, VIRGINIA																								
4. PROJECT TITLE	5. PROJECT NUMBER																							
GENERAL WAREHOUSE	P-444																							
<p>11. REQUIREMENT: (Continued)</p> <p><b>IMPACT IF NOT PROVIDED:</b> Inefficient and unsatisfactory storage conditions will continue. Inability to maintain receipt and storage inventory accuracy because of outside and jam-storage conditions. Severe negative impact on responsive issue of materials to the fleet will continue.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 40px;"> <p>(1) Status:</p> <table style="margin-left: 20px;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;"><u>11-88</u></td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;"><u>100</u></td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;"><u>5-89</u></td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;"><u>1-90</u></td> </tr> </table> <p>(2) Basis:</p> <table style="margin-left: 20px;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes <u>    </u> No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;"><u>N/A</u></td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="margin-left: 20px;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( <u>0</u> )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( <u>370</u> )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;"><u>370</u></td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( <u>10</u> )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( <u>360</u> )</td> </tr> </table> <p>(4) Construction start..... <u>1-91</u> (month and year)</p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>			(a) Date Design Started.....	<u>11-88</u>	(b) Percent Complete as of January 1990.....	<u>100</u>	(c) Date Design 35% Complete.....	<u>5-89</u>	(d) Date Design Complete.....	<u>1-90</u>	(a) Standard or Definitive Design:	Yes <u>    </u> No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( <u>0</u> )	(b) All Other Design Costs.....	( <u>370</u> )	(c) Total.....	<u>370</u>	(d) Contract.....	( <u>10</u> )	(e) In-house.....	( <u>360</u> )
(a) Date Design Started.....	<u>11-88</u>																							
(b) Percent Complete as of January 1990.....	<u>100</u>																							
(c) Date Design 35% Complete.....	<u>5-89</u>																							
(d) Date Design Complete.....	<u>1-90</u>																							
(a) Standard or Definitive Design:	Yes <u>    </u> No <u>X</u>																							
(b) Where Design Was Most Recently Used:	<u>N/A</u>																							
(a) Production of Plans and Specifications.....	( <u>0</u> )																							
(b) All Other Design Costs.....	( <u>370</u> )																							
(c) Total.....	<u>370</u>																							
(d) Contract.....	( <u>10</u> )																							
(e) In-house.....	( <u>360</u> )																							

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, NORFOLK, VIRGINIA			4. COMMAND NAVAL FACILITIES ENGINEERING COMMAND		5. AREA CONSTR. COST INDEX .92					
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	14	0	2043	0	0	0	0	0	0	2057
b. END FY 1994	17	0	1948	0	0	0	0	0	0	1962
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 169 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 138,480										
c. AUTHORIZATION NOT YET IN INVENTORY 15,600										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 3,130										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 6,900										
f. PLANNED IN NEXT THREE PROGRAM YEARS 1,460										
g. REMAINING DEFICIENCY 98,980										
h. GRAND TOTAL 264,550										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS				
						START	COMPLETE			
125.10	FUEL LINE			LS	3,130	10/88	10/89			
	TOTAL				3,130					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
812.30	ELECTRIC DISTR LINES			53,400 LF	3,000					
822.22	STEAM DISTR SYSTEMS IMPROV			119,500 LF	3,900					
	TOTAL				6,900					
B. MAJOR PLANNED NEXT THREE YEARS:										
831.42	ASBESTOS CONTROL			LS	1,460					
10. MISSION OR MAJOR FUNCTIONS:										
Provide public works, public utilities, public housing, transportation support, engineering services, shore facilities planning support and all other logistic support of a public works nature incident thereto, required by the operating forces, independent activities and other commands served by the public works center. Serves the station, supply center, air station, supply center, air station, family housing, Commander in Chief, Atlantic Fleet Headquarters, and about 100 minor activities and commands.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER, NORFOLK, VIRGINIA			4. PROJECT TITLE FUEL LINE		
5. PROGRAM ELEMENT 0702096N	6. CATEGORY CODE 125.10	7. PROJECT NUMBER P-236	8. PROJECT COST (\$000) 3,130		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
FUEL LINE SYSTEM . . . . .		LS	-	-	2,290
FUEL LINE SYSTEM . . . . .		LF	10,560	111.00	(1,170)
PUMP BUILDING . . . . .		SF	780	38.00	( 30)
STORAGE TANK . . . . .		LS	-	-	( 400)
HOBBY SHOP . . . . .		LS	-	-	( 690)
SUPPORTING FACILITIES . . . . .		-	-	-	540
SPECIAL CONSTRUCTION FEATURES . . . . .		LS	-	-	( 200)
UTILITIES . . . . .		LS	-	-	( 250)
PAVING AND SITE IMPROVEMENT . . . . .		LS	-	-	( 90)
SUBTOTAL . . . . .		-	-	-	2,830
CONTINGENCY (5%) . . . . .		-	-	-	140
TOTAL CONTRACT COST . . . . .		-	-	-	2,970
SUPERVISION, INSPECTION AND OVERHEAD (5.5%) . . . . .		-	-	-	160
TOTAL REQUEST . . . . .		-	-	-	3,130
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Eight-inch underground fuel oil pipeline, cathodically protected, insulated, heat controls; pump house, pumps, controls, transformers; 50,000-barrel steel storage tank; two-story masonry building, concrete foundation and floors, built-up roof, fire protection system, air conditioning, utilities.</p>					
11. REQUIREMENT: <u>As Required.</u>					
PROJECT: Installs underground fuel oil pipeline and constructs fuel system pump house. (Current mission.)					
REQUIREMENT: An economical means of supplying fuel from the waterfront to the central steam plant which serves the base as well as ships in port. It has been determined that pipeline delivery of the fuel oil would be more cost-effective than truck delivery. An annual savings of approximately \$2,500,000 could be realized from construction of this pipeline system.					
CURRENT SITUATION: Delivery of fuel oil is being done by tank truck. Each truck delivers 6,500 gallons of fuel oil to daily operating tanks at the central steam plant. During the winter, 22 truck deliveries of fuel oil are made daily, six days a week. During the summer, 10 truck deliveries are made daily, five days a week. This mode of delivery has proven to be very costly and time consuming.					
IMPACT IF NOT PROVIDED: The savings in time and money that could be achieved through construction of this project will not be realized.					
(Continued on DD 1391c)					



1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION NAVAL AIR STATION, OCEANA, VIRGINIA					4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET			5. AREA CONSTR. COST INDEX .92		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	1209	8468	1650	198	190	0	118	495	0	12328
b. END FY 1994	1251	8627	1600	163	200	0	107	400	0	12348
7. INVENTORY DATA (\$000)										
c. TOTAL ACREAGE ( 15,345 )										
d. INVENTORY TOTAL AS OF 30 SEP 88 186,410										
e. AUTHORIZATION NOT YET IN INVENTORY 23,920										
f. AUTHORIZATION REQUESTED IN THIS PROGRAM 3,150										
g. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 4,700										
h. PLANNED IN NEXT THREE PROGRAM YEARS 9,300										
i. REMAINING DEFICIENCY 134,460										
j. GRAND TOTAL 361,940										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
171.35	WEAPONS SYS TRNR BLDG ADDN				24,640 SF	3,150	11/88 01/90			
	TOTAL					3,150				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
171.20	SQUADRON TRNG BLDG ADDN				47,500 SF	4,700				
	TOTAL					4,700				
B. MAJOR PLANNED NEXT THREE YEARS:										
214.30	REFUEL VEH SHOP				1,800 SF	400				
171.35	F-14D TRAINER FACILITY				18,060 SF	700				
171.35	F-14D WST #2 ADDN				LS	1,600				
171.35	F-14D TRAMP TRAINER				LS	2,600				
10. MISSION OR MAJOR FUNCTIONS:										
This Atlantic Fleet master jet base provides operational support to 14 fighter squadrons (F-14) and seven medium attack squadrons (A-6) which deploy on Atlantic Fleet aircraft carriers and two Fleet Readiness Squadrons. It also provides support to ALF (Auxiliary Landing Field) Pentress.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 4,160										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL AIR STATION, OCEANA, VIRGINIA</b>				4. PROJECT TITLE <b>WEAPONS SYSTEM TRAINER BUILDING ADDITION</b>		
5. PROGRAM ELEMENT <b>0204696N</b>		6. CATEGORY CODE <b>171.35</b>	7. PROJECT NUMBER <b>P-178</b>		8. PROJECT COST (\$000) <b>3,150</b>	
9. COST ESTIMATES						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
WEAPONS SYSTEM TRAINER BUILDING ADDITION . .	SF	24,640	-	2,470		
BUILDING . . . . .	SF	24,640	84.00	(2,080)		
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 390)		
SUPPORTING FACILITIES. . . . .	-	-	-	380		
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 80)		
UTILITIES. . . . .	LS	-	-	( 240)		
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 60)		
SUBTOTAL . . . . .	-	-	-	2,850		
CONTINGENCY (5%) . . . . .	-	-	-	140		
TOTAL CONTRACT COST. . . . .	-	-	-	2,990		
SUPERVISION, INSPECTION & OVERHEAD (5.5%). .	-	-	-	160		
TOTAL REQUEST. . . . .	-	-	-	3,150		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(35,000)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Two-story steel frame building, pile foundation, concrete flooring, masonry walls, insulation board over metal roof deck with built-up roof, computer flooring, fire protection system, intrusion detection system, elevators, communications system, air conditioning, utilities.						
11. REQUIREMENT: 24,640 SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>0</u> SF. PROJECT: Provides an applied instruction building addition to house two weapons systems trainers used to train pilots and flight officers. This project supports the introduction of the F-14D aircraft. (New mission.) REQUIREMENT: A building addition to house weapons systems trainers scheduled for delivery beginning in 1992. The first F-14D is scheduled for arrival in late 1991. Oceana is the homeport for all Atlantic Fleet F-14A fighter aircraft. The F-14 is the linch-pin of the carrier battle group's air defense. The F-14A was introduced in 1972 and has proven to be a very effective and potent weapon system. It's primary mission is to intercept, at long ranges, enemy bombers poised to attack the battle group with air-to-surface missile. The F-14's long-range radar and the Phoenix missiles give it this capability. Since F-14 technologies may have been compromised because of the sale of the aircraft to Iran, programs to improve both the Phoenix and the F-14 have been accelerated. The interim improved F-14 is called the F-14A+. It has greater resistance to electronic countermeasures and a better radar. The F-14D will provide a						

(Continued on DD 1391c)

1. COMPONENT		2. DATE																											
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA																											
3. INSTALLATION AND LOCATION																													
NAVAL AIR STATION, OCEANA, VIRGINIA																													
4. PROJECT TITLE		5. PROJECT NUMBER																											
WEAPONS SYSTEM TRAINER BUILDING ADDITION		P-178																											
<p>11. REQUIREMENT: (Continued)</p> <p>major upgrade to the aircraft with digital electronics, and data processing, improved radar, and more powerful engines. Transition of the squadrons' aircraft to F-14D will take place through the mid-1990's. Weapons systems training for flight crews for both models will be required throughout the transition meaning a dual capability is required. Training facilities are required to ensure that squadron flight crew personnel are capable of properly operating the numerous on-board weapons systems. These weapon systems include missile and gun firing, target tracking, electronic warfare and countermeasures, and radar and navigation systems.</p> <p><u>CURRENT SITUATION:</u> Facilities are not available to house the weapons system trainers scheduled for delivery to Oceana beginning in 1992. Existing training spaces for the F-14A will be required through the 1990's transition period and will not be available for F-14D training to commence in 1992.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Oceana will be unable to provide adequate weapons systems training for F-14D aircraft assigned personnel, jeopardizing combat readiness and effectiveness. The carriers will deploy without the full benefits provided by the major F-14 upgrade. The ability of the carrier to defend itself and the battle group will be degraded by a lack of proper systems training which this project will provide. There will be no facilities available to house the delivered trainers.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started.....</td> <td>11-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>5-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>1-90</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes</td> <td>No</td> <td>X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>( 180 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>( 120 )</td> </tr> <tr> <td>(c) Total.....</td> <td>300</td> </tr> <tr> <td>(d) Contract.....</td> <td>( 250 )</td> </tr> <tr> <td>(e) In-house.....</td> <td>( 50 )</td> </tr> </table> <p>(Continued on DD 1391c)</p>				(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A			(a) Production of Plans and Specifications.....	( 180 )	(b) All Other Design Costs.....	( 120 )	(c) Total.....	300	(d) Contract.....	( 250 )	(e) In-house.....	( 50 )
(a) Date Design Started.....	11-88																												
(b) Percent Complete as of January 1990.....	100																												
(c) Date Design 35% Complete.....	5-89																												
(d) Date Design Complete.....	1-90																												
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(b) Where Design Was Most Recently Used:	N/A																												
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(c) Total.....	300																												
(d) Contract.....	( 250 )																												
(e) In-house.....	( 50 )																												

1. COMPONENT NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL AIR STATION, OCEANA, VIRGINIA			
4. PROJECT TITLE WEAPONS SYSTEM TRAINER BUILDING ADDITION		5. PROJECT NUMBER P-178	
12. SUPPLEMENTAL DATA: (Continued)			
(4) Construction start.....		2-91 (month and year)	
b. Equipment associated with this project which will be provided from other appropriations:			
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>
F-14D Weapons System Trainers	APN	1991	35,000



1. COMPONENT  NAVY		FY 1991 <b>MILITARY CONSTRUCTION PROGRAM</b>				2. DATE				
3. INSTALLATION AND LOCATION  SHORE INTERMEDIATE MAINTENANCE ACTIVITY, PORTSMOUTH, VIRGINIA				4. COMMAND  COMMANDER IN CHIEF, ATLANTIC FLEET		5. AREA CONSTR. COST INDEX  .92				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	6	319	6	0	0	0	0	0	0	331
b. END FY 1994	6	294	6	0	0	0	0	0	0	306

7. INVENTORY DATA (\$000)	
a. TOTAL ACREAGE	TENANT OF NSY
b. INVENTORY TOTAL AS OF 30 SEP 88	0
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	12,100
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	12,100

8. PROJECTS REQUESTED IN THIS PROGRAM:						
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS STAR*	COMPLETE	
213.30	SHORE INT MAIN FACILITY	120,000 SF	12,100	01/88	06/90	
	TOTAL		12,100			

9. FUTURE PROJECTS:	
A. INCLUDED IN FOLLOWING PROGRAM	NONE
B. MAJOR PLANNED NEXT THREE YEARS:	NONE

10. MISSION OR MAJOR FUNCTIONS:	
Provides intermediate maintenance of the hull, mechanical, and electrical systems, aircraft launch and recovery equipment and support equipment from all aircraft carriers based at Norfolk, as well as other ships with air departments during selected restricted availability or restricted over-haul. Also provides ashore duty billets for aviation ratings. The provided services include intermediate ship maintenance and repair, technical training and assistance to ships as requested.	

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)	
A: POLLUTION ABATEMENT	0
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT NAVY		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION SHORE INTERMEDIATE MAINTENANCE ACTIVITY, PORTSMOUTH, VIRGINIA			4. PROJECT TITLE SHORE INTERMEDIATE MAINTENANCE FACILITY		
5. PROGRAM ELEMENT 0204457N	6. CATEGORY CODE 213.30	7. PROJECT NUMBER P-320	8. PROJECT COST (\$200) 12,094		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
SHORE INTERMEDIATE MAINTENANCE FACILITY. . .	SF	120,000	-	9,610	
BUILDING . . . . .	SF	120,000	74.00	( 8,810)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 720)	
TECHNICAL OPERATING MANUALS. . . . .	LS	-	-	( 80)	
SUPPORTING FACILITIES. . . . .	-	-	-	1,300	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 600)	
ELECTRICAL UTILITIES. . . . .	LS	-	-	( 200)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 100)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 300)	
DEMOLITION . . . . .	LS	-	-	( 100)	
SUBTOTAL . . . . .	-	-	-	10,910	
CONTINGENCY (5%) . . . . .	-	-	-	550	
TOTAL CONTRACT COST. . . . .	-	-	-	11,460	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	634	
TOTAL REQUEST. . . . .	-	-	-	12,094	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(11,400)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Two-story steel frame building, pile foundation, reinforced concrete flooring, tilt-up reinforced concrete walls, insulated composition roof, fire protection system, air conditioning, bridge cranes and monorail, exhaust and ventilation systems, balancing machine, dynamometer, elevators, compressed air system, waste separation and holding facility, computer flooring, shielding, utilities; demolition of eight buildings.					
11. REQUIREMENT: 179,270 SF. ADEQUATE: 58,270 SF. SUBSTANDARD: 0 SF. PROJECT: Provides a facility for intermediate maintenance support of Atlantic Fleet aircraft carriers and ground support equipment (GSE) for amphibious assault ships with aviation departments. This facility will include administrative offices, classrooms, and training spaces. (Current mission.) REQUIREMENT: Adequate, consolidated, and properly-configured facilities for the repair and air departments' operations so that intermediate maintenance of aircraft carriers and ground support equipment can be better accomplished. Six of the Atlantic Fleet's eight conventional and nuclear-powered aircraft carriers are homeported in Norfolk (with one normally undergoing complete overhaul at a shipyard). This SIMA also provides support to 12 homeported ships with air departments such as LHA amphibious assault ships. This SIMA is manned by 540 active duty and temporarily assigned personnel. No growth in this level is projected despite the addition of the new carrier U.S.S. Theodore Roosevelt to the (Continued on DD 1391c)					

1. COMPONENT	2. DATE	
NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		
SHORE INTERMEDIATE MAINTENANCE ACTIVITY, PORTSMOUTH, VIRGINIA		
4. PROJECT TITLE	5. PROJECT NUMBER	
SHORE INTERMEDIATE MAINTENANCE FACILITY	P-320	
<p>11. REQUIREMENT: (Continued)</p> <p>workload. Intermediate maintenance is that level which cannot be performed by ship workforces but does not require scheduling lengthy and expensive overhauls at the public shipyards. While there are some limited repair capabilities on the ships, especially large ones like the aircraft carriers, do not have the shops and technical skills necessary to keep all shipboard systems running. SIMA personnel augment ship repair capabilities. SIMA's provide shore billets for personnel in many ratings found normally only on ships. This keeps the personnel proficient in their mechanical and other skills while serving shore-duty. SIMA's provide valuable training to these mechanics while assigned and also provide a chance to update skills and learn new shipboard systems. A SIMA consists of many industrial shops and engineering spaces which perform maintenance on most of the heavy industrial shipboard systems. The capabilities include pipe manufacture and repair; boiler and propulsion system maintenance; electronics and radar repair; steel and plate work; parts milling and manufacture; wood working for small craft maintenance; and pump, valve and hydraulic system maintenance. In addition to these capabilities, which are generic to most SIMA's, the Portsmouth facilities will have maintenance and repair capabilities for those shipboard systems unique to aircraft carriers. These systems include steam catapults; aircraft arresting gear and crash barricades; jet blast deflectors mounted in the carrier deck; and ground support equipment (GSE) used for starting and servicing aircraft assigned to the air wing. The SIMA also provides GSE overhaul services to Atlantic Fleet air stations.</p> <p><u>CURRENT SITUATION:</u> Some existing shops are located in 27 structures which have improper climate control and inadequate utilities to support industrial processes and installed equipment. This includes inadequate power, lighting, compressed air, exhaust and ventilation. All but one of the buildings is wood-frame construction. All must use portable space heaters to augment the inadequate steam heating system. Many of the roofs leak. Some shop equipment cannot be used because of a lack of ventilation. The present configuration results in unsafe and inefficient maintenance work because of the advanced deterioration of the facilities and excessive material handling caused by separation of inter-dependent work centers. Eight of these buildings will be demolished and the others turned-over to the shipyard.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Present shop functions will continue to be inefficient and unsafe. Improvements to the workplace will not be achieved. This includes fire safety, adequate heating and ventilation and better lighting. A new SIMA building is vital for intermediate level maintenance of assigned ships or fleet readiness will be seriously impaired.</p> <p style="text-align: right;">(Continued on DD 1391c)</p>		

1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE																
3. INSTALLATION AND LOCATION <b>SHORE INTERMEDIATE MAINTENANCE ACTIVITY, PORTSMOUTH, VIRGINIA</b>																		
4. PROJECT TITLE <b>SHORE INTERMEDIATE MAINTENANCE FACILITY</b>	5. PROJECT NUMBER <b>P-320</b>																	
<p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p style="margin-left: 40px;">(1) Status:</p> <div style="margin-left: 80px;"> (a) Date Design Started..... <u>1-88</u>  (b) Percent Complete as of January 1990..... <u>75</u>  (c) Date Design 35% Complete..... <u>7-89</u>  (d) Date Design Complete..... <u>6-90</u> </div> <p style="margin-left: 40px;">(2) Basis:</p> <div style="margin-left: 80px;"> (a) Standard or Definitive Design:      Yes <u>      </u> No <u>  X  </u>  (b) Where Design Was Most Recently Used:      <u>  N/A  </u> </div> <p style="margin-left: 40px;">(3) Total cost (c) = (a) + (b) or (d) + (e):      (\$000)</p> <div style="margin-left: 80px;"> (a) Production of Plans and Specifications..... ( <u>  720  </u> )  (b) All Other Design Costs..... ( <u>  200  </u> )  (c) Total..... <u>  920  </u>  (d) Contract..... ( <u>  820  </u> )  (e) In-house..... ( <u>  100  </u> ) </div> <p style="margin-left: 40px;">(4) Construction start..... <u>  1-91  </u>  <span style="margin-left: 180px;">(month and year)</span></p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-left: 40px; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment Nomenclature</u></th> <th style="text-align: left;"><u>Procuring Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year Appropriated or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Industrial Plant Equipment</td> <td>OPN</td> <td>1989 - 1991</td> <td>4,000</td> </tr> <tr> <td>Miscellaneous Minor Equipment</td> <td>O&amp;MN</td> <td>1991 - 1992</td> <td><u>  7,400  </u></td> </tr> <tr> <td colspan="3" style="text-align: right;"><b>TOTAL</b></td> <td><b>11,400</b></td> </tr> </tbody> </table>			<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>	Industrial Plant Equipment	OPN	1989 - 1991	4,000	Miscellaneous Minor Equipment	O&MN	1991 - 1992	<u>  7,400  </u>	<b>TOTAL</b>			<b>11,400</b>
<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>															
Industrial Plant Equipment	OPN	1989 - 1991	4,000															
Miscellaneous Minor Equipment	O&MN	1991 - 1992	<u>  7,400  </u>															
<b>TOTAL</b>			<b>11,400</b>															

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA					4. COMMAND COMMANDANT OF THE MARINE CORPS			5. AREA CONSTR. COST INDEX .96			
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1994		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
		614	2941	1562	976	1446	0	302	886	415	
		934	3415	3011	1455	2722	9	217	766	684	13213
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 60,484)											
b. INVENTORY TOTAL AS OF 30 SEP 88 174,270											
c. AUTHORIZATION NOT YET IN INVENTORY 21,620											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 19,850											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 5,600											
f. PLANNED IN NEXT THREE PROGRAM YEARS 23,860											
g. REMAINING DEFICIENCY 136,420											
h. GRAND TOTAL 381,620											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE			SCOPE		COST (\$000)		DESIGN STATUS START COMPLETE		
179.45		MIL OPS IN URBANIZED TERRN			LS		3,850		11/88 01/90		
610.20		COMBAT DEVELOPMENT CENTER			95,900 SF		16,000		12/88 06/90		
		TOTAL					19,850				
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM:											
179.45		LIVE FIRE RANGE			LS		2,600				
740.74		CHILD CARE CENTER			18,750 SF		3,000				
		TOTAL					5,600				
B. MAJOR PLANNED NEXT THREE YEARS:											
171.10		ACADEMIC INSTR FAC-OCS			LS		3,500				
219.10		NOISE ABATEMENT			LS		230				
724.11		BDD MOD-CP BARRETT			LS		3,000				
10. MISSION OR MAJOR FUNCTIONS:											
Develop, in coordination with agencies and representatives of other services, the doctrine, tactics, techniques and equipment employed by landing forces in amphibious operations; support Marine Corps requirements for long range planning by identifying required study areas and by initiating study of such areas, in coordination with other government and civilian contract study of agencies; education officers in the principles, tactics and techniques of warfare, with particular emphasis on the landing force aspects of amphibious operations in air-ground combat forces of the Marine Corps; educate staff noncommissioned with the requisite responsibilities; exercise academic supervision over all Marine Corps formal schools (less recruit training); and other functions as directed by the Commandant of the Marine Corps.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 0											
B: INSTALLATION RESTORATION 10,620											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 1,230											

1. COMPONENT NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA		4. PROJECT TITLE COMBAT DEVELOPMENT CENTER		
5. PROGRAM ELEMENT 0804751M	6. CATEGORY CODE 610.20	7. PROJECT NUMBER P-402	8. PROJECT COST (\$000) 16,000	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
COMBAT DEVELOPMENT CENTER. . . . .	SF	93,400	-	11,440
BUILDING . . . . .	SF	93,400	97.00	( 9,060)
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 2,380)
SUPPORTING FACILITIES. . . . .	-	-	-	3,000
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 1,800)
MECHANICAL UTILITIES . . . . .	LS	-	-	( 500)
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 700)
SUBTOTAL . . . . .	-	-	-	14,440
CONTINGENCY (5%) . . . . .	-	-	-	720
TOTAL CONTRACT COST. . . . .	-	-	-	15,160
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	840
TOTAL REQUEST. . . . .	-	-	-	16,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)	-	( 0)
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b> Two-story steel frame and masonry building, concrete foundation and floors, built-up roof, uninterruptible power source, computer flooring, fire protection system, air conditioning, utilities.				
<b>11. REQUIREMENT:</b> <u>93,400</u> SF. <b>ADEQUATE:</b> <u>0</u> SF. <b>SUBSTANDARD:</b> <u>0</u> SF. <b>PROJECT:</b> Constructs a centralized computer facility to support missions and goals. (Current mission.) <b>REQUIREMENT:</b> Adequate facilities to accommodate Marine Corps-wide requirements relative to the development and promulgation of information pertaining to doctrine, training, force structure, and materials relating to deployment and employment. Housing of the war-gaming center, a contingency processing center, and the war-fighting center is also necessary. <b>CURRENT SITUATION:</b> Space restrictions preclude utilization of existing facilities for all present and future missions. Utilizing many and various inadequate facilities would make effective central management of each organization impossible. <b>IMPACT IF NOT PROVIDED:</b> Very difficult to fulfill mission obligations without a centralized facility. Improved capabilities and far reaching integration efforts will never be fully realized. Programmed personnel and equipment growth will be facility constrained.				
(Continued on DD 1391c)				

1. COMPONENT NAVY	2. DATE FY 19 <sup>91</sup> MILITAR / CONSTRUCTION PROJECT DATA
3. INSTALLATION AND LOCATION MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA	
4. PROJECT TITLE COMBAT DEVELOPMENT CENTER	5. PROJECT NUMBER P-402
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... 12-88</p> <p>(b) Percent Complete as of January 1990..... 60</p> <p>(c) Date Design 35% Complete..... 7-89</p> <p>(d) Date Design Complete..... 6-90</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes _____ No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( 960 )</p> <p>(b) All Other Design Costs..... ( 320 )</p> <p>(c) Total..... 1280</p> <p>(d) Contract..... ( 1120 )</p> <p>(e) In-house..... ( 160 )</p> <p>(4) Construction start..... 1-91 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>	

1. COMPONENT <b>NAVY</b>		2. DATE		
3. INSTALLATION AND LOCATION <b>MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA</b>		4. PROJECT TITLE <b>MILITARY OPERATIONS IN URBANIZED TERRAIN</b>		
5. PROGRAM ELEMENT <b>0804751M</b>	6. CATEGORY CODE <b>179.45</b>	7. PROJECT NUMBER <b>P-408</b>	8. PROJECT COST (\$000) <b>3.850</b>	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
MILITARY OPERATIONS IN URBANIZED TERRAIN . .	LS	-	-	2,900
COMBAT VILLAGE . . . . .	SF	37,540	74.00	(2,780)
LIVE FIRE RANGE. . . . .	LS	-	-	( 120)
SUPPORTING FACILITIES. . . . .	-	-	-	580
UTILITIES. . . . .	LS	-	-	( 90)
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 490)
SUBTOTAL . . . . .	-	-	-	3,480
CONTINGENCY (5%) . . . . .	-	-	-	170
TOTAL CONTRACT COST. . . . .	-	-	-	3,650
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	200
TOTAL REQUEST. . . . .	-	-	-	3,850
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)	-	( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
Upgrade one building; construct six reinforced concrete and masonry structures; access roads, parking, bridge; functional underground sewer system to replicate an urban setting; one rubber tire and four wood construction structures for live-fire assault course.				
11. REQUIREMENT: As Required.				
PROJECT: Provides military operations in urbanized terrain (MOUT) mock-up training facilities. (Current mission.)				
REQUIREMENT: An adequate and properly configured MOUT mock-up training complex. Difficulties in urban area combat, as proven by recent military engagements, are numerous and have generated a requirement for specialized training. These facilities are designed to meet this requirement. This project will provide the basic school practice techniques of house-to-house and block-to-block clearing operations, techniques of clearing buildings from the top down and from the bottom up, and techniques of roof-top landing zones for helicopter assaults. It will also provide training in the employment of automatic weapons and snipers for covering fires, training in overcoming communications problems inherent in urban areas characterized by steel construction and electric power systems, and training in the use of smoke and chemical agents for cover and defense.				
(Continued on DD 1391c)				



1. COMPONENT <b>NAVY</b>	2. DATE <b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>																						
3. INSTALLATION AND LOCATION <b>MARINE CORPS COMBAT DEVELOPMENT COMMAND, QUANTICO, VIRGINIA</b>																							
4. PROJECT TITLE <b>MILITARY OPERATIONS IN URBANIZED TERRAIN</b>	5. PROJECT NUMBER <b>P-408</b>																						
<p><b>11. REQUIREMENT: (Continued)</b>  <b>CURRENT SITUATION:</b> There are no facilities at this activity where Marines can acquire and maintain the proficiency required in MOUT operations. The existing combat village consists of ten buildings and provides only marginal training for some urban infantry tasks. The combat village cannot accommodate live fire because of its location and construction type.  <b>IMPACT IF NOT PROVIDED:</b> Recent military engagements have revealed a critical need for upgrading our ability to conduct successful military operations in urban areas. This project provides the facilities needed for training to accomplish this goal, thereby improving morale and reducing casualties in time of conflict in urban environments.</p> <p><b>12. SUPPLEMENTAL DATA:</b></p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <table style="margin-left: 20px;"> <tr><td>(a) Date Design Started.....</td><td style="text-align: right;">11-88</td></tr> <tr><td>(b) Percent Complete as of January 1990.....</td><td style="text-align: right;">100</td></tr> <tr><td>(c) Date Design 35% Complete.....</td><td style="text-align: right;">5-89</td></tr> <tr><td>(d) Date Design Complete.....</td><td style="text-align: right;">1-90</td></tr> </table> <p>(2) Basis:</p> <table style="margin-left: 20px;"> <tr><td>(a) Standard or Definitive Design:</td><td style="text-align: right;">Yes _____ No <u>X</u></td></tr> <tr><td>(b) Where Design Was Most Recently Used:</td><td style="text-align: right;"><u>N/A</u></td></tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="margin-left: 20px;"> <tr><td>(a) Production of Plans and Specifications.....</td><td style="text-align: right;">( 230 )</td></tr> <tr><td>(b) All Other Design Costs.....</td><td style="text-align: right;">( 80 )</td></tr> <tr><td>(c) Total.....</td><td style="text-align: right;">310</td></tr> <tr><td>(d) Contract.....</td><td style="text-align: right;">( 270 )</td></tr> <tr><td>(e) In-house.....</td><td style="text-align: right;">( 40 )</td></tr> </table> <p>(4) Construction start..... <span style="float: right;">1-91</span>  <span style="float: right;">(month and year)</span></p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>		(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( 230 )	(b) All Other Design Costs.....	( 80 )	(c) Total.....	310	(d) Contract.....	( 270 )	(e) In-house.....	( 40 )
(a) Date Design Started.....	11-88																						
(b) Percent Complete as of January 1990.....	100																						
(c) Date Design 35% Complete.....	5-89																						
(d) Date Design Complete.....	1-90																						
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																						
(b) Where Design Was Most Recently Used:	<u>N/A</u>																						
(a) Production of Plans and Specifications.....	( 230 )																						
(b) All Other Design Costs.....	( 80 )																						
(c) Total.....	310																						
(d) Contract.....	( 270 )																						
(e) In-house.....	( 40 )																						

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM						2. DATE			
3. INSTALLATION AND LOCATION NAVAL RESEARCH LABORATORY ANNEX, QUANTICO, VIRGINIA					4. COMMAND OFFICE OF THE CHIEF OF NAVAL RESEARCH			5. AREA CONSTR. COST INDEX 0.96			
6. PERSONNEL STRENGTH:		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/88		0	0	6	0	0	0	0	0	6	12
b. END FY 19 94		0	0	14	0	0	0	0	0	10	24
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE Tenant of MCCDC											
b. INVENTORY TOTAL AS OF 30 SEP 1988 1,500											
c. AUTHORIZATION NOT YET IN INVENTORY 0											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 2,600											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0											
f. PLANNED IN NEXT THREE PROGRAM YEARS 0											
g. REMAINING DEFICIENCY 0											
h. GRAND TOTAL 4,100											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE						
317.10	Midway Research Ctr Upgrade	5,810 SF	2,600	11/88	1/90						
	TOTAL		2,600								
9. Future Projects:											
a. Included in following program: None.											
b. Major Planned Next Three Years: None.											
10. Mission or Major Functions: Provide research on electronic equipment and systems.											
11. Outstanding pollution and safety deficiencies: (\$000)											
a. Pollution Abatement: 0											
b. Installation Restoration: 0											
c. Occupational safety and health (OSH): 0											

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL RESEARCH LABORATORY ANNEX, QUANTICO, VIRGINIA</b>				4. PROJECT TITLE <b>MIDWAY RESEARCH CENTER UPGRADE</b>		
5. PROGRAM ELEMENT <b>N F I P 0605001N</b>		6. CATEGORY CODE <b>317.10</b>	7. PROJECT NUMBER <b>P-148</b>		8. PROJECT COST (\$000) <b>2,600</b>	
<b>9. COST ESTIMATES</b>						
ITEM				U/M	QUANTITY	UNIT COST
MIDWAY RESEARCH CENTER UPGRADE . . . . .				SF	5,810	-
BUILDING . . . . .				SF	5,810	81.00
BUILT-IN EQUIPMENT . . . . .				LS	-	( 180)
SUPPORTING FACILITIES. . . . .				-	-	1,690
SPECIAL CONSTRUCTION FEATURES. . . . .				LS	-	( 670)
UTILITIES. . . . .				LS	-	( 410)
PAVING AND SITE IMPROVEMENT. . . . .				LS	-	( 610)
SUBTOTAL . . . . .				-	-	2,340
CONTINGENCY (5%) . . . . .				-	-	120
TOTAL CONTRACT COST. . . . .				-	-	2,460
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .				-	-	140
TOTAL REQUEST. . . . .				-	-	2,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-	-(NON-ADD)	( 0)
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>						
One-story steel frame building, concrete foundation and floor, masonry walls, computer flooring, grounding, secure compartmented information facility construction, temperature and humidity control, fire protection system, air conditioning, utilities.						
<b>11. REQUIREMENT: 10,980 SF. ADEQUATE: 5,170 SF. SUBSTANDARD: 0 SF.</b>						
<b>PROJECT:</b> Constructs a secure facility for research, development, testing, calibration, and quality assurance of newly developed electronic and computer equipment. Provides secure space to develop, validate and test equipment and generate new software programs for the Navy. (New mission.)						
<b>REQUIREMENT:</b> An adequate and properly-configured physically, electrically, and electronically secure compartmented information facility with supportive environmental control and high quality electric power for sophisticated electronic and computer equipment that develops and controls an essential system supporting Navy and Department of Defense efforts. It is necessary to have a clean environment free of ambient telemetry signals.						
<b>CURRENT SITUATION:</b> There are no available facilities to meet mission requirements with a clean signal radio frequency environment at the Naval Research Laboratory Washington, D.C. site.						
<b>IMPACT IF NOT PROVIDED:</b> The new electronic system necessary to implement this program will not have sufficient electronic equipment and software developmental space.						
(Continued on DD 1391c)						

1. COMPONENT  NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																						
3. INSTALLATION AND LOCATION  NAVAL RESEARCH LABORATORY ANNEX, QUANTICO, VIRGINIA																								
4. PROJECT TITLE  MIDWAY RESEARCH CENTER UPGRADE		5. PROJECT NUMBER  P-148																						
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">11-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">5-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">1-90</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 150 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 50 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">200</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 170 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 30 )</td> </tr> </table> <p>(4) Construction start..... <span style="float: right;">1-91</span> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	( 150 )	(b) All Other Design Costs.....	( 50 )	(c) Total.....	200	(d) Contract.....	( 170 )	(e) In-house.....	( 30 )
(a) Date Design Started.....	11-88																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	5-89																							
(d) Date Design Complete.....	1-90																							
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	N/A																							
(a) Production of Plans and Specifications.....	( 150 )																							
(b) All Other Design Costs.....	( 50 )																							
(c) Total.....	200																							
(d) Contract.....	( 170 )																							
(e) In-house.....	( 30 )																							

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION  NAVAL SURFACE WARFARE CENTER, WALLOPS ISLAND, VIRGINIA				4. COMMAND  SPACE AND NAVAL WARFARE SYSTEMS COMMAND			5. AREA CONSTR. COST INDEX  .92			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
	a. AS OF 09/30/88 b. END FY 1994									
	13	54	13	10	20	0	0	0	0	110
	24	156	45	11	50	0	11	24	71	392
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 4,321)										
b. INVENTORY TOTAL AS OF 30 SEP 88 77,410										
c. AUTHORIZATION NOT YET IN INVENTORY 0										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 5,460										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 1,500										
f. PLANNED IN NEXT THREE PROGRAM YEARS 7,450										
g. REMAINING DEFICIENCY 0										
h. GRAND TOTAL 91,820										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE					SCOPE	COST (\$000)	DESIGN START	STATUS COMPLETE	
171.20	AEGIS CMD & LIFE SUPT FAC					35,900 SF	5,460	04/89	06/90	
	TOTAL						5,460			
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
845.20	UTILITIES IMPROVEMENTS					LS	1,500			
	TOTAL						1,500			
B. MAJOR PLANNED NEXT THREE YEARS:										
721.11	BACHELOR ENLISTED QUARTERS					LS	3,750			
724.11	BACHELOR OFFICER QUARTERS					LS	3,700			
10. MISSION OR MAJOR FUNCTIONS:										
The Combat System Laboratory (CSL) detachment (Wallops Island) of the Naval Surface Warfare Center (NSWC) is located at the National Aeronautics and Space Administration's (NASA) Goddard Space Flight Center/Wallops Flight Facility (WFF) utilizing three sites (the Main Base, the Mainland and Wallops Island) along the eastern shore of the Delmarva Peninsula in Accomack County, Virginia. This NSWC detachment provides research, development and engineering systems services for Navy surface ships combat systems, aircraft systems, electronic systems and communications systems in support of AEGIS and Battle Group operations.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT NAVY		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL SURFACE WARFARE CENTER, Wallops Island, Virginia				4. PROJECT TITLE AEGIS COMMAND AND LIFE SUPPORT FACILITY		
5. PROGRAM ELEMENT 0605896N		6. CATEGORY CODE 171.20		7. PROJECT NUMBER P-327		8. PROJECT COST (\$000) 5,460
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
AEGIS COMMAND AND LIFE SUPPORT FACILITY. . .		SF	35,900	1-	3,740	
BUILDING . . . . .		SF	35,900	102.00	(3,680)	
BUILT-IN EQUIPMENT . . . . .		LS	-	-	( 60)	
SUPPORTING FACILITIES. . . . .		-	-	-	1,190	
SPECIAL CONSTRUCTION FEATURES. . . . .		LS	-	-	( 210)	
UTILITIES. . . . .		LS	-	-	( 310)	
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 670)	
SUBTOTAL . . . . .		-	-	-	4,930	
CONTINGENCY (5%) . . . . .		-	-	-	250	
TOTAL CONTRACT COST. . . . .		-	-	-	5,180	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .		-	-	-	280	
TOTAL REQUEST. . . . .		-	-	-	5,460	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
One-story steel frame building, pile foundation, concrete floor, built-up roofing, sensitive compartmented information facility construction, intrusion detection system, TEMPEST shielding, fire protection system, air conditioning, utilities.						
11. REQUIREMENT: 35,900 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF. PROJECT: Consolidates the warfare training, administrative and logistical support functions into a single facility to augment the AEGIS Combat Systems Center (ACSC) at Wallops Island, Virginia. (Current mission.) REQUIREMENT: Adequate facilities for the ACSC to fulfill the needs of operational support to the rapidly increasing number of CG-47 and DDG-51 class cruisers and destroyers entering the fleet. Furnish spaces for the long-term need of training, electronic equipment staging and storage capability for tactical equipment spares and systems backfit, and administrative space to support two shore based operational ACSC sites. CURRENT SITUATION: Navy's present shipbuilding program is to add 56 AEGIS ships to the fleet, with 10 ships already in fleet use. An ACSC has been established at the NASA Wallops Island Flight Facility (WFF). There are no administrative and logistical support facilities to provide the necessary support to the ACSC. Navy occupies storage space leased from NASA on a short-term basis, and NASA has advised Navy that this space must be vacated soon to become available for their own requirements. Administrative spaces used by the Navy are in bachelor enlisted quarters on a short-term request (Continued on DD 1391c)						

1. COMPONENT NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE																						
3. INSTALLATION AND LOCATION NAVAL SURFACE WARFARE CENTER, WALLOPS ISLAND, VIRGINIA																									
4. PROJECT TITLE AEGIS COMMAND AND LIFE SUPPORT FACILITY		5. PROJECT NUMBER P-327																							
<p>11. REQUIREMENT: (Continued)  <u>CURRENT SITUATION:</u> (Continued)  for diversion" basis, and must be vacated by February 1990. It is anticipated that relocatable structures will be in place and ready to accommodate the expanding supply and administrative functions. Upon completion of this project, the relocatable facilities will be relinquished. Training is being conducted at the Navy AEGIS Combat System Site (ACSS) on the NASA rocket launching range of Wallops Island. The classroom level team training and participation in engineering tests and exercises is being impeded by the overcrowded facilities at ACSS. Evacuations because of rocket launches have interrupted the scheduling of classes, and the tight training routines of crews being indoctrinated for fleet operational assignments, operational exercises, and engineering test functions.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Navy will be unable to provide the necessary combat training and logistical support to the AEGIS System test site. NASA will evict Navy from current training spaces to convey it for its own use at the WFF. Navy may have to abandon the ACSS and completely rebuild in another location, thereby losing an optimum location, at considerable expense to the government for facilities already constructed on Wallops Island.</p> <p>12. SUPPLEMENTAL DATA:  a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started.....</td> <td><u>4-89</u></td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td><u>50</u></td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td><u>10-89</u></td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td><u>6-90</u></td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td><u>N/A</u></td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <u>(\$020)</u></p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>( <u>320</u> )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>( <u>110</u> )</td> </tr> <tr> <td>(c) Total.....</td> <td><u>430</u></td> </tr> <tr> <td>(d) Contract.....</td> <td>( <u>380</u> )</td> </tr> <tr> <td>(e) In-house.....</td> <td>( <u>50</u> )</td> </tr> </table> <p>(4) Construction start..... <u>1-91</u>  (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>				(a) Date Design Started.....	<u>4-89</u>	(b) Percent Complete as of January 1990.....	<u>50</u>	(c) Date Design 35% Complete.....	<u>10-89</u>	(d) Date Design Complete.....	<u>6-90</u>	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( <u>320</u> )	(b) All Other Design Costs.....	( <u>110</u> )	(c) Total.....	<u>430</u>	(d) Contract.....	( <u>380</u> )	(e) In-house.....	( <u>50</u> )
(a) Date Design Started.....	<u>4-89</u>																								
(b) Percent Complete as of January 1990.....	<u>50</u>																								
(c) Date Design 35% Complete.....	<u>10-89</u>																								
(d) Date Design Complete.....	<u>6-90</u>																								
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																								
(b) Where Design Was Most Recently Used:	<u>N/A</u>																								
(a) Production of Plans and Specifications.....	( <u>320</u> )																								
(b) All Other Design Costs.....	( <u>110</u> )																								
(c) Total.....	<u>430</u>																								
(d) Contract.....	( <u>380</u> )																								
(e) In-house.....	( <u>50</u> )																								

1. COMPONENT NAVY		FY 1991 <b>MILITARY CONSTRUCTION PROGRAM</b>				2. DATE				
3. INSTALLATION AND LOCATION TRIDENT REFIT FACILITY, BANGOR, WASHINGTON				4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET		5. AREA CONSTR. COST INDEX 1.14				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	54	674	374	0	0	0	0	0	0	1102
b. END FY 1994	52	798	374	0	0	0	0	0	0	1224
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE . . . . . TENANT OF NSB										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 169,360										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 3,640										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 3,010										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 2,100										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 48,260										
g. REMAINING DEFICIENCY . . . . . 26,040										
h. GRAND TOTAL . . . . . 252,410										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE			
441.30	HAZARD/FLAMM STOREHOUSE				11,500 SF	2,100	11/88	01/90		
860.40	CRANE TRACKAGE EXTENSION				LS	910	10/88	09/89		
	TOTAL					3,010				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
610.20	DATA PROCESSING CTR ADDN				10,000 SF	2,100				
	TOTAL					2,100				
B. MAJOR PLANNED NEXT THREE YEARS:										
213.30	HULL CLEANING/COATING FAC				28,500 SF	6,700				
441.10	SUPPLY WAREHOUSE				136,610 SF	14,000				
159.64	WATERFRONT SHOP				LS	12,030				
213.30	INDUSTRIAL SHOP				LS	14,230				
10. MISSION OR MAJOR FUNCTIONS:										
Provide complete repair and refit service for the Pacific Fleet TRIDENT submarines, including all required services for ships alongside at the base										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT					0					
B: INSTALLATION RESTORATION					0					
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):					0					



1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION TRIDENT REFIT FACILITY, BANGOR, WASHINGTON			4. PROJECT TITLE HAZARDOUS AND FLAMMABLE STOREHOUSE		
5. PROGRAM ELEMENT 0101896N	6. CATEGORY CODE 441.30	7. PROJECT NUMBER P-050	8. PROJECT COST (\$000) 2,100		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
HAZARDOUS AND FLAMMABLE STOREHOUSE . . . . .	SF	11,500	138.00	1,360	
SUPPORTING FACILITIES. . . . .	-	-	-	540	
UTILITIES. . . . .	LS	-	-	( 160)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 380)	
SUBTOTAL . . . . .	-	-	-	1,900	
CONTINGENCY (5%) . . . . .	-	-	-	90	
TOTAL CONTRACT COST. . . . .	-	-	-	1,990	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	110	
TOTAL REQUEST. . . . .	-	-	-	2,100	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)	-	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One-story reinforced concrete and masonry building, concrete foundation and floor, built-up roof, access doors, fire protection system, ventilation system, loading dock, automated storage and retrieval system, 15-foot high stacking height, utilities, security fencing.					
11. REQUIREMENT: <u>11,500</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>0</u> SF. PROJECT: Provides storage warehouse for hazardous materials to support the TRIDENT submarine program. (Current mission.) REQUIREMENT: Adequate and properly-configured facility for storage of hazardous materials including flammable, corrosives, oxidizers, and other regulated material. Bangor provides industrial support for the TRIDENT submarine and performs depot level overhauls of equipment in the TRIDENT Planned Equipment Replacement Program. Industrial support for the submarine is accomplished during short and very labor intensive refit periods. Proper levels of supply stock, conveniently located, are necessary for performing all planned as well as emergent work in an efficient and timely manner. CURRENT SITUATION: Initial planning for supply functions at this facility did not provide hazardous storage. Temporary storage space has been provided in a metal prefabricated building, which is occupied jointly with the fiberglass and plastics shop, inside the general warehouse and in the POL storage facility. These buildings do not comply with the governing regulations for hazardous storage facilities.					

(Continued on DD 1391c)

1 COMPONENT		2 DATE																											
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA																											
3 INSTALLATION AND LOCATION																													
TRIDENT REFIT FACILITY, BANGOR, WASHINGTON																													
4 PROJECT TITLE		5 PROJECT NUMBER																											
HAZARDOUS AND FLAMMABLE STOREHOUSE		P-050																											
<p>11. REQUIREMENT: (Continued)</p> <p><b>IMPACT IF NOT PROVIDED:</b> The ability to safely store hazardous materials will not be possible. Failure to stock the required levels of hazardous materials will result in production delays which could have a serious impact on ship departure schedules.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started.....</td> <td>11-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>5-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>1-90</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes</td> <td>No</td> <td>X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>( 110 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>( 130 )</td> </tr> <tr> <td>(c) Total.....</td> <td>240</td> </tr> <tr> <td>(d) Contract.....</td> <td>( 220 )</td> </tr> <tr> <td>(e) In-house.....</td> <td>( 20 )</td> </tr> </table> <p>(4) Construction start..... 4-91 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>				(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A			(a) Production of Plans and Specifications.....	( 110 )	(b) All Other Design Costs.....	( 130 )	(c) Total.....	240	(d) Contract.....	( 220 )	(e) In-house.....	( 20 )
(a) Date Design Started.....	11-88																												
(b) Percent Complete as of January 1990.....	100																												
(c) Date Design 35% Complete.....	5-89																												
(d) Date Design Complete.....	1-90																												
(a) Standard or Definitive Design:	Yes	No	X																										
(b) Where Design Was Most Recently Used:	N/A																												
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(c) Total.....	240																												
(d) Contract.....	( 220 )																												
(e) In-house.....	( 20 )																												

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION  TRIDENT TRAINING FACILITY, BANGOR, WASHINGTON			4. COMMAND  CHIEF OF NAVAL EDUCATION AND TRAINING			5. AREA CONSTR. COST INDEX  1 14				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
	a. AS OF 09/30/88									
b. END FY 1994									972	
									988	
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE . . . . . TENANT OF NSB . . . . . 41,380										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 0										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 3,600										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 0										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0										
g. REMAINING DEFICIENCY . . . . . 0										
h. GRAND TOTAL . . . . . 44,980										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
179.45	FIRE FIGHTING TRNG FAC				14,320 SF	3,600	11/88	01/90		
	TOTAL					3,600				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS: NONE										
10. MISSION OR MAJOR FUNCTIONS:										
Provide facilities and training courses peculiar to submarines for personnel assigned to the Navy submarine base Bangor Washington; furnish specific operationally-oriented support to submarines to ensure ma maximum effectiveness of their sensor systems.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES. (\$000)										
A: POLLUTION ABATEMENT . . . . . 0										
B: INSTALLATION RESTORATION . . . . . 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): . . . . . 0										

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION TRIDENT TRAINING FACILITY, BANGOR, WASHINGTON				4. PROJECT TITLE FIRE FIGHTING TRAINING FACILITY		
5. PROGRAM ELEMENT  0804731N		6. CATEGORY CODE  179.45	7. PROJECT NUMBER  P-993		8. PROJECT COST (\$000)  3,600	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
FIRE FIGHTING TRAINING FACILITY. . . . .		SF	14,320	-	2,090	
TRAINING BUILDING. . . . .		SF	5,770	165.00	( 950)	
SUPPORT BUILDING. . . . .		SF	8,550	129.00	(1,100)	
BUILT-IN EQUIPMENT. . . . .		LS	-	-	( 40)	
SUPPORTING FACILITIES. . . . .		-	-	-	1,180	
SPECIAL CONSTRUCTION FEATURES. . . . .		LS	-	-	( 310)	
UTILITIES. . . . .		LS	-	-	( 750)	
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 100)	
SUBTOTAL. . . . .		-	-	-	3,250	
CONTINGENCY (5%). . . . .		-	-	-	160	
TOTAL CONTRACT COST. . . . .		-	-	-	3,410	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .		-	-	-	190	
TOTAL REQUEST. . . . .		-	-	-	3,600	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION  Steel-frame and reinforced concrete buildings, pile foundations, concrete floors, masonry walls, intrusion detection systems, fire protection system, utilities, air conditioning, wastewater treatment tanks and pumps, propane tanks, water storage tanks and pumps, technical operating manuals.						
11. REQUIREMENT: <u>14,320</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>0</u> SF PROJECT: Provides a fire fighting trainer. (Current mission.) REQUIREMENT: Adequate facilities to accommodate three submarine-unique hands-on fire fighting training courses for 6,000 students per year. CURRENT SITUATION: Currently, there is no capability for conducting realistic fire fighting training. Present training is limited in scope and conducted in an interim fire fighting trainer which only provides exposure to basic fire fighting principles. IMPACT IF NOT PROVIDED: The activity will not be able to meet the established mission for fire fighting training because of the limitations of the interim trainer. The combat readiness of operating submarines will be degraded.						

(Continued on DD 1391c)

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
TRIDENT TRAINING FACILITY, BANGOR, WASHINGTON			
4. PROJECT TITLE		5. PROJECT NUMBER	
FIRE FIGHTING TRAINING FACILITY		P-993	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... 11-88			
(b) Percent Complete as of January 1990..... 100			
(c) Date Design 35% Complete..... 5-89			
(d) Date Design Complete..... 1-90			
(2) Basis:			
(a) Standard or Definitive Design: Yes No X			
(b) Where Design Was Most Recently Used: N/A			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( 160 )			
(b) All Other Design Costs..... ( 245 )			
(c) Total..... 405			
(d) Contract..... ( 305 )			
(e) In-house..... ( 100 )			
(4) Construction start..... 12-90			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION PUGET SOUND NAVAL SHIPYARD, BREMERTON, WASHINGTON			4. COMMAND NAVAL SEA SYSTEMS COMMAND		5. AREA CONSTR. COST INDEX 1 14					
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
A. AS OF 09/30/88	153	1415	11850	0	0	0	250	6000	0	19668
B. END FY 1994	153	1415	11850	0	0	0	250	6000	0	19668
7. INVENTORY DATA (\$000)										
A. TOTAL ACREAGE ( 1.383 )										
B. INVENTORY TOTAL AS OF 30 SEP 88							309.030			
C. AUTHORIZATION NOT YET IN INVENTORY							30.450			
D. AUTHORIZATION REQUESTED IN THIS PROGRAM							1.700			
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM							2.700			
F. PLANNED IN NEXT THREE PROGRAM YEARS							1.000			
G. REMAINING DEFICIENCY							91.390			
H. GRAND TOTAL							436.270			
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE			
813.20	DRY DOCK UTILITIES UPGRADE				LS	1.700	11/88	09/89		
	TOTAL					1.700				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
163.10	INACTIVE SUB MOVING FAC				LS	2.700				
	TOTAL					2.700				
B. MAJOR PLANNED NEXT THREE YEARS										
213.10	DRYDOCK SUPERFLOOD				LS	1.000				
10. MISSION OR MAJOR FUNCTIONS										
Maintenance and overhaul of surface ships up to and including attack carriers, and attack and fleet ballistic missile submarines. Logistic support provided includes conversion, overhaul, repair, alterations, and drydocking of surface ships and modern submarines. The yard also provides support for air and submarine warfare weapon systems.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES (\$000)										
A. POLLUTION ABATEMENT						930				
B. INSTALLATION RESTORATION						0				
C. OCCUPATIONAL SAFETY AND HEALTH (OSH)						0				

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>PUGET SOUND NAVAL SHIPYARD, BREMERSON, WASHINGTON</b>				4. PROJECT TITLE <b>DRY DOCK UTILITIES UPGRADE</b>		
5. PROGRAM ELEMENT <b>0702228N</b>		6. CATEGORY CODE <b>813.20</b>		7. PROJECT NUMBER <b>P-252</b>		8. PROJECT COST (\$000) <b>1,700</b>
9. COST ESTIMATES						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
DRY DOCK UTILITIES UPGRADE . . . . .	LS	-	-	1,530		
SUBSTATION . . . . .	LS	-	-	( 470)		
SWITCHING STATION. . . . .	LS	-	-	( 550)		
SERVICE TUNNEL . . . . .	LS	-	-	( 420)		
MECHANICAL UTILITIES . . . . .	LS	-	-	( 90)		
SUBTOTAL . . . . .	-	-	-	1,530		
CONTINGENCY (5%) . . . . .	-	-	-	80		
TOTAL CONTRACT COST. . . . .	-	-	-	1,610		
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	90		
TOTAL REQUEST. . . . .	-	-	-	1,700		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADP)	( 0)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Addition of new transformer and rectifier; pure water service; building utility service tunnels; industrial electrical circuits upgrade; repair saltwater lines.						
11. REQUIREMENT: <u>As Required.</u>						
PROJECT: Installs high voltage cable, substation with switchgear, walk-through service tunnels, pure water system, and repairs salt water system. (Current mission.)						
REQUIREMENT: Adequate and reliable utilities to support industrial and ship operations in accommodating overhaul and repair of a nuclear class surface ship (CGN) and submarines (SSBN, SSN) in Dry Dock 4. Two sources of electric power, one from the Bonneville Power Administration (BPA) and the other from the Shipyard power plant, via different transformers to prevent loss of power in the event one transformer should fail.						
CURRENT SITUATION: Dry Dock 4 was routinely used to support non-nuclear overhauls, while nuclear overhauls were accomplished in other heavily scheduled dry docks. Current utilities are adequate for supporting most classes of non-nuclear ships, but are inadequate to service and support nuclear vessels. An interim measure was taken to permit simultaneous overhauls on two nuclear submarines (SSN) and a post shakedown availability (PSA) on a TRIDENT (SSBN) by utilizing a nearby substation to power a portable transformer. Temporary power lines were routed to the dry dock						
(Continued on DD 1391c)						

1. COMPONENT NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																						
3. INSTALLATION AND LOCATION PUGET SOUND NAVAL SHIPYARD, BREMERTON, WASHINGTON																								
4. PROJECT TITLE DRY DOCK UTILITIES UPGRADE		5. PROJECT NUMBER P-252																						
<p>11. REQUIREMENT: (Continued)  <u>CURRENT SITUATION:</u> (Continued)  to provide the necessary super shore power required by a Los Angeles class submarine. The 8,000 amperes required by the Los Angeles is the largest electric power requirement for any nuclear vessel that can be docked in Dry Dock 4. This temporary solution should not be considered a permanent answer for electric power, since it leaves two dewatering pumps disconnected.  <u>IMPACT IF NOT PROVIDED:</u> Inability of the shipyard to provide adequate and reliable utilities, including electric power, pure water, and saltwater, to eliminate impact on delaying ships and submarines undergoing overhaul and repairs, and their availability to the fleet.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table> <tr> <td>(a) Date Design Started.....</td> <td><u>11-88</u></td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td><u>100</u></td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td><u>3-89</u></td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td><u>9-89</u></td> </tr> </table> <p>(2) Basis:</p> <table> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td><u>N/A</u></td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>( <u>90</u> )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>( <u>20</u> )</td> </tr> <tr> <td>(c) Total.....</td> <td><u>110</u></td> </tr> <tr> <td>(d) Contract.....</td> <td>( <u>100</u> )</td> </tr> <tr> <td>(e) In-house.....</td> <td>( <u>10</u> )</td> </tr> </table> <p>(4) Construction start..... <u>10-90</u> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Date Design Started.....	<u>11-88</u>	(b) Percent Complete as of January 1990.....	<u>100</u>	(c) Date Design 35% Complete.....	<u>3-89</u>	(d) Date Design Complete.....	<u>9-89</u>	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( <u>90</u> )	(b) All Other Design Costs.....	( <u>20</u> )	(c) Total.....	<u>110</u>	(d) Contract.....	( <u>100</u> )	(e) In-house.....	( <u>10</u> )
(a) Date Design Started.....	<u>11-88</u>																							
(b) Percent Complete as of January 1990.....	<u>100</u>																							
(c) Date Design 35% Complete.....	<u>3-89</u>																							
(d) Date Design Complete.....	<u>9-89</u>																							
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	<u>N/A</u>																							
(a) Production of Plans and Specifications.....	( <u>90</u> )																							
(b) All Other Design Costs.....	( <u>20</u> )																							
(c) Total.....	<u>110</u>																							
(d) Contract.....	( <u>100</u> )																							
(e) In-house.....	( <u>10</u> )																							



1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE					
3. INSTALLATION AND LOCATION  NAVAL STATION, EVERETT, WASHINGTON				4. COMMAND  COMMANDER IN CHIEF, PACIFIC FLEET		5. AREA CONSTR. COST INDEX  1.14					
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1994		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
		0	0	0	0	0	0	0	0	0	
		407	7117	620	0	0	0	0	0	0	8144
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 272) b. INVENTORY TOTAL AS OF 30 SEP 88 20,750 c. AUTHORIZATION NOT YET IN INVENTORY 170,520 d. AUTHORIZATION REQUESTED IN THIS PROGRAM 22,150 e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 14,280 f. PLANNED IN NEXT THREE PROGRAM YEARS 48,000 g. REMAINING DEFICIENCY 67,200 h. GRAND TOTAL 342,900											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE			SCOPE	COST (\$000)	DESIGN START	STATUS COMPLETE			
131.15		COMMUNICATIONS FACILITY			6,150 SF	1,650	06/85	09/88			
730.10		SECURITY & FIRE STATION			6,930 SF	1,750	06/85	09/88			
812.30		CARRIER PIER SUPPORT			LS	11,960	07/85	09/86			
932.20		UTILITIES AND SITE IMPROVS			LS	6,790	07/85	11/88			
		TOTAL				22,150					
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
812.30		CVBG SUPPORT COMPLEX			LS	14,280					
		TOTAL				14,280					
B. MAJOR PLANNED NEXT THREE YEARS:											
171.10		CVBG SUPPORT COMPLEX			16,000 SF	48,000					
10. MISSION OR MAJOR FUNCTIONS:											
Provide homeport facilities and logistic support for warships and auxiliaries of the Pacific Fleet. Provide harbor and waterfront facilities, exchange, personnel, athletic and recreational, berthing, and messing services.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT		0									
B: INSTALLATION RESTORATION		0									
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):		0									

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL STATION, EVERETT, WASHINGTON			4. PROJECT TITLE CARRIER PIER SUPPORT		
5. PROGRAM ELEMENT 0204796N	6. CATEGORY CODE 812.30	7. PROJECT NUMBER P-089	8. PROJECT COST (\$000) 11,960		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
CARRIER PIER SUPPORT . . . . .	LS	-	-	10,800	
TRANSIT SHED AND STORAGE . . . . .	LS	-	-	( 5,570)	
PORT SERVICES/PUBLIC WORKS/GROUND SUPPORT . . . . .	LS	-	-	( 5,230)	
SUBTOTAL . . . . .	-	-	-	10,800	
CONTINGENCY (5%) . . . . .	-	-	-	540	
TOTAL CONTRACT COST . . . . .	-	-	-	11,340	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	620	
TOTAL REQUEST . . . . .	-	-	-	11,960	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS . . . . .	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Four one-story steel frame and masonry buildings, concrete floors, built-up roofs, pile foundations; cranes, hoists, port control tower, open storage, utilities, paving, site improvements.					
11. REQUIREMENT: <u>As Required.</u>					
PROJECT: Constructs a transit shed, hazardous/flammable storage facility, open and covered storage, port services and public works shops, a port control tower, and a ground support and armament handling equipment shed. (New mission.)					
REQUIREMENT: Adequate facilities to support the homeporting of an Aircraft Carrier Battle Group (CVBG) as part of the Navy's strategic homeporting initiative in the Pacific Northwest. The primary mission of port services and public works is to manage safe berthing of the battle group and provide necessary in-port services such as brows, utility connections, tow services and facility maintenance. The transit shed will provide for storage, laydown, sorting, repackaging, and transshipment of materials going to and from ships, and a separate storage facility for hazardous and flammable materials.					
CURRENT SITUATION: Naval Station Everett is a new homeport under construction. Prior increments have provided facilities needed to meet a portion of the base infrastructure and berthing requirements. However, additional operational facilities are required to provide adequate support for the CVBG.					
(Continued on DD 1391c)					

1. COMPONENT		2. DATE																											
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA																											
3. INSTALLATION AND LOCATION																													
NAVAL STATION, EVERETT, WASHINGTON																													
4. PROJECT TITLE		5. PROJECT NUMBER																											
CARRIER PIER SUPPORT		P-089																											
<p>11. REQUIREMENT: (Continued)</p> <p><u>IMPACT IF NOT PROVIDED:</u> Materials would have to be left in unprotected areas subject to weather damage and theft. Efficiency of materials supply and repair operations would be greatly reduced. No area would be available for the safe storage of hazardous materials, thereby increasing risks to personnel and facilities. A lack of maintenance and service capabilities will have an adverse effect on the availability and reliability of equipment.</p>																													
12. SUPPLEMENTAL DATA:																													
<p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 119C, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table> <tr> <td>(a) Date Design Started.....</td> <td>7-85</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>11-85</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>9-86</td> </tr> </table> <p>(2) Basis:</p> <table> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes</td> <td>No</td> <td>X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>( 785 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>( 395 )</td> </tr> <tr> <td>(c) Total.....</td> <td>1180</td> </tr> <tr> <td>(d) Contract.....</td> <td>( 1090 )</td> </tr> <tr> <td>(e) In-house.....</td> <td>( 90 )</td> </tr> </table> <p>(4) Construction start..... 1-91 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>				(a) Date Design Started.....	7-85	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	11-85	(d) Date Design Complete.....	9-86	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A			(a) Production of Plans and Specifications.....	( 785 )	(b) All Other Design Costs.....	( 395 )	(c) Total.....	1180	(d) Contract.....	( 1090 )	(e) In-house.....	( 90 )
(a) Date Design Started.....	7-85																												
(b) Percent Complete as of January 1990.....	100																												
(c) Date Design 35% Complete.....	11-85																												
(d) Date Design Complete.....	9-86																												
(a) Standard or Definitive Design:	Yes	No	X																										
(b) Where Design Was Most Recently Used:	N/A																												
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(c) Total.....	1180																												
(d) Contract.....	( 1090 )																												
(e) In-house.....	( 90 )																												

1. COMPONENT NAVY		2. DATE FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA				
3. INSTALLATION AND LOCATION NAVAL STATION, EVERETT, WASHINGTON			4. PROJECT TITLE COMMUNICATION FACILITY			
5. PROGRAM ELEMENT  0204796N	6. CATEGORY CODE  131.15	7. PROJECT NUMBER  P-145	8. PROJECT COST (\$000)  1,650			
<b>9. COST ESTIMATES</b>						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
COMMUNICATION FACILITY . . . . .	SF	6,150	-	1,260		
COMMUNICATION CENTER . . . . .	SF	4,050	189.00	( 770)		
TELEPHONE EXCHANGE . . . . .	SF	2,100	134.00	( 280)		
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 210)		
SUPPORTING FACILITIES. . . . .	-	-	-	230		
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 40)		
UTILITIES AND SITE IMPROVEMENT . . . . .	LS	-	-	( 190)		
SUBTOTAL . . . . .	-	-	-	1,490		
CONTINGENCY (5%) . . . . .	-	-	-	70		
TOTAL CONTRACT COST. . . . .	-	-	-	1,560		
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	90		
TOTAL REQUEST. . . . .	-	-	-	1,650		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b> One-story steel frame and masonry building with pre-formed metal siding, pile foundation, access flooring, fire protection and security systems, emergency electric power, utilities, paving, air conditioning.						
<b>11. REQUIREMENT: 6,150 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.</b> <u>PROJECT:</u> Provides facilities for telecommunications and telephone exchange functions. (New mission.) <u>REQUIREMENT:</u> Adequate communication facilities to support homeporting of an Aircraft Carrier Battle Group as part of the Navy's strategic homeporting initiative in the Pacific Northwest. <u>CURRENT SITUATION:</u> No facilities currently exist for telecommunications or telephones. <u>IMPACT IF NOT PROVIDED:</u> An absence of facilities for telecommunications and telephone functions will impair the ability of the naval station to support the battle group.						
<b>12. SUPPLEMENTAL DATA:</b>  a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")  (1) Status: (a) Date Design Started..... 6-85 <div style="text-align: right;">(Continued on DD 1391c)</div>						

1. COMPONENT  NAVY	FY 1991 MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION  NAVAL STATION, EVERETT, WASHINGTON		
4. PROJECT TITLE  COMMUNICATION FACILITY	5. PROJECT NUMBER  P-145	
<p>12. SUPPLEMENTAL DATA: (Continued)</p> <p style="margin-left: 40px;">(b) Percent Complete as of January 1990..... 100</p> <p style="margin-left: 40px;">(c) Date Design 35% Complete..... 1-87</p> <p style="margin-left: 40px;">(d) Date Design Complete..... 9-88</p> <p style="margin-left: 20px;">(2) Basis:</p> <p style="margin-left: 40px;">(a) Standard or Definitive Design: Yes No X</p> <p style="margin-left: 40px;">(b) Where Design Was Most Recently Used: N/A</p> <p style="margin-left: 20px;">(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p style="margin-left: 40px;">(a) Production of Plans and Specifications..... ( 85 )</p> <p style="margin-left: 40px;">(b) All Other Design Costs..... ( 80 )</p> <p style="margin-left: 40px;">(c) Total..... 165</p> <p style="margin-left: 40px;">(d) Contract..... ( 130 )</p> <p style="margin-left: 40px;">(e) In-house..... ( 35 )</p> <p style="margin-left: 20px;">(4) Construction start..... 1-91</p> <p style="margin-left: 100px;">(month and year)</p> <p style="margin-left: 20px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT <b>NAVY</b>		FY 19 <sup>91</sup> <b>MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL STATION, EVERETT, WASHINGTON</b>				4. PROJECT TITLE <b>SECURITY AND FIRE STATION</b>		
5. PROGRAM ELEMENT <b>0204796N</b>		6. CATEGORY CODE <b>730.10</b>	7. PROJECT NUMBER <b>P-117</b>	8. PROJECT COST (\$000) <b>1,750</b>		
<b>9. COST ESTIMATES</b>						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
SECURITY AND FIRE STATION. . . . .	SF	6,930	-	1,290		
FIRE STATION . . . . .	SF	4,720	141.00	( 670)		
POLICE STATION . . . . .	SF	2,060	155.00	( 320)		
SENTRY SHELTERS. . . . .	SF	150	67.00	( 10)		
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 290)		
SUPPORTING FACILITIES. . . . .	-	-	-	290		
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 70)		
UTILITIES AND SITE IMPROVEMENT . . . . .	LS	-	-	( 220)		
SUBTOTAL . . . . .	-	-	-	1,580		
CONTINGENCY (5%) . . . . .	-	-	-	80		
TOTAL CONTRACT COST. . . . .	-	-	-	1,660		
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	90		
TOTAL REQUEST. . . . .	-	-	-	1,750		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>						
<p>One-story steel frame and masonry building on pile foundation, high-bay area in fire station, security tower on the mole, two sentry shelters, utilities, security system, fire protection system, special ventilation, emergency electric power.</p>						
<b>11. REQUIREMENT: 6,930 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.</b>						
<p><b>PROJECT:</b> Provides a fire station, police station, security observation tower, and two sentry shelters. (New mission.)</p>						
<p><b>REQUIREMENT:</b> Adequate security and fire fighting facilities to protect the ships of the aircraft carrier battle group and the station.</p>						
<p><b>CURRENT SITUATION:</b> No facilities currently exist for security or fire protection.</p>						
<p><b>IMPACT IF NOT PROVIDED:</b> Without an on-base fire station, fire fighting service will have to be provided by the City of Everett fire department. The increased time required to answer alarms will increase the potential for loss of property and life. Security for the battle group and the station will be severely impaired without facilities to house required security operations.</p>						
(Continued on DD 1391c)						

1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL STATION, EVERETT, WASHINGTON			
4. PROJECT TITLE		5. PROJECT NUMBER	
SECURITY AND FIRE STATION		P-117	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... <u>6-85</u>			
(b) Percent Complete as of January 1990..... <u>100</u>			
(c) Date Design 35% Complete..... <u>1-87</u>			
(d) Date Design Complete..... <u>9-88</u>			
(2) Basis:			
(a) Standard or Definitive Design: Yes <u>    </u> No <u>X</u>			
(b) Where Design Was Most Recently Used: <u>N/A</u>			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( <u>95</u> )			
(b) All Other Design Costs..... ( <u>90</u> )			
(c) Total..... <u>185</u>			
(d) Contract..... ( <u>150</u> )			
(e) In-house..... ( <u>35</u> )			
(4) Construction start..... <u>1-91</u>			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT <b>NAVY</b>		2. DATE		
3. INSTALLATION AND LOCATION <b>NAVAL STATION, EVERETT, WASHINGTON</b>		4. PROJECT TITLE <b>UTILITIES AND SITE IMPROVEMENTS</b>		
5. PROGRAM ELEMENT <b>0204796N</b>	6. CATEGORY CODE <b>932.20</b>	7. PROJECT NUMBER <b>P-082</b>	8. PROJECT COST (\$000) <b>6,790</b>	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
UTILITIES AND SITE IMPROVEMENTS. . . . .	LS	-	-	6,130
UTILITIES. . . . .	LS	-	-	(3,660)
SITE IMPROVEMENTS. . . . .	LS	-	-	(2,470)
SUBTOTAL . . . . .	-	-	-	6,130
CONTINGENCY (5%) . . . . .	-	-	-	310
TOTAL CONTRACT COST. . . . .	-	-	-	6,440
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .	-	-	-	350
TOTAL REQUEST. . . . .	-	-	-	6,790
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0 )
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
Utilities including sanitary sewer, potable water, electrical, telecommunications, natural gas; utility connections, storm drainage, grading, surcharge, fencing, paving, site improvements.				
11. REQUIREMENT: <u>As Required.</u>				
<u>PROJECT:</u> Constructs utilities and site improvements, provides for utilities connections. (New mission.)				
<u>REQUIREMENT:</u> Adequate utilities and site improvements required for homeporting an Aircraft Carrier Battle Group (CVBG) as part of the Navy's strategic homeporting initiative in the Pacific Northwest.				
<u>CURRENT SITUATION:</u> Naval Station Everett is a new homeport under construction. Prior increments have provided facilities needed to meet a portion of the base infrastructure requirements. However, completion of these facilities is necessary to provide adequate support for the CVBG.				
<u>IMPACT IF NOT PROVIDED:</u> Utilities and site improvements required for facilities being constructed to support the CVBG will be incomplete, resulting in severe adverse impacts on homeport operations.				
(Continued on DD 1391c)				



1. COMPONENT NAVY	2. DATE FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA																										
3. INSTALLATION AND LOCATION NAVAL STATION, EVERETT, WASHINGTON																											
4. PROJECT TITLE UTILITIES AND SITE IMPROVEMENTS	5. PROJECT NUMBER P-082																										
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table> <tr> <td>(a) Date Design Started.....</td> <td>7-85</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>4-88</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>11-88</td> </tr> </table> <p>(2) Basis:</p> <table> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes</td> <td>No</td> <td>X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>( 130 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>( 125 )</td> </tr> <tr> <td>(c) Total.....</td> <td>255</td> </tr> <tr> <td>(d) Contract.....</td> <td>( 235 )</td> </tr> <tr> <td>(e) In-house.....</td> <td>( 20 )</td> </tr> </table> <p>(4) Construction start..... 1-91 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>		(a) Date Design Started.....	7-85	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	4-88	(d) Date Design Complete.....	11-88	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A			(a) Production of Plans and Specifications.....	( 130 )	(b) All Other Design Costs.....	( 125 )	(c) Total.....	255	(d) Contract.....	( 235 )	(e) In-house.....	( 20 )
(a) Date Design Started.....	7-85																										
(b) Percent Complete as of January 1990.....	100																										
(c) Date Design 35% Complete.....	4-88																										
(d) Date Design Complete.....	11-88																										
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(c) Total.....	255																										
(d) Contract.....	( 235 )																										
(e) In-house.....	( 20 )																										

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION  NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON			4. COMMAND  NAVAL SEA SYSTEMS COMMAND			5. AREA CONSTR. COST INDEX  1.14				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	20	302	3270	0	0	0	0	0	0	3592
b. END FY 1994	20	287	3240	0	0	0	0	0	0	3547
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 4,939)										
b. INVENTORY TOTAL AS OF 30 SEP 88 80,590										
c. AUTHORIZATION NOT YET IN INVENTORY 10,930										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 18,500										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 6,050										
f. PLANNED IN NEXT THREE PROGRAM YEARS 15,100										
g. REMAINING DEFICIENCY 43,050										
h. GRAND TOTAL 174,220										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS			
213.51	SUB WPNS SYSTEM SHOP				74,400 SF	10,100	11/88	01/90		
216.77	AUTOMATED MATRLS HDLG FAC				28,490 SF	7,300	06/86	06/88		
730.10	FIRE STATION				7,690 SF	1,100	08/86	04/87		
	TOTAL					18,500				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
136.65	HELICOPTER PAD				LS	400				
151.10	PIER IMPROVEMENTS				LS	2,500				
316.10	HIGH ENERGY TEST FACILITY				LS	3,150				
	TOTAL					6,050				
B. MAJOR PLANNED NEXT THREE YEARS:										
151.10	DOCK EXPANSION				LS	6,100				
151.20	PIER REPLACEMENT				13,670 SF	4,600				
10. MISSION OR MAJOR FUNCTIONS:										
Proof, test, and evaluate underwater weapons, weapons systems, and components; exercise design cognizance of underwater weapon systems acoustic and tracking ranges and associated range equipment; provide engineering and technical support services for designated undersea warfare programs; provide material and logistics support for assigned weapon systems, weapons or components; act as in-service engineering agent for designated undersea weapons systems.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 600										
B: INSTALLATION RESTORATION 10,040										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT NAVY		2. DATE FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		
3. INSTALLATION AND LOCATION NAVAL UNDERSEA WARFARE ENGINEERING STATION, KEYPORT, WASHINGTON		4. PROJECT TITLE AUTOMATED MATERIALS HANDLING FACILITY		
5. PROGRAM ELEMENT 0702031N	6. CATEGORY CODE 216.77	7. PROJECT NUMBER P-295	8. PROJECT COST (\$000) 7,300	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
AUTOMATED MATERIALS HANDLING FACILITY. . . .	SF	28,490	-	5,710
BUILDING . . . . .	SF	28,490	60.00	(1,710)
BUILT-IN EQUIPMENT . . . . .	LS	-	-	(4,000)
SUPPORTING FACILITIES. . . . .	-	-	-	880
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 660)
UTILITIES. . . . .	LS	-	-	( 160)
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 60)
SUBTOTAL . . . . .	-	-	-	6,590
CONTINGENCY (5%) . . . . .	-	-	-	330
TOTAL CONTRACT COST. . . . .	-	-	-	6,920
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	380
TOTAL REQUEST. . . . .	-	-	-	7,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(1,440)
10. DESCRIPTION OF PROPOSED CONSTRUCTION				
One-story high-bay metal building, pile foundation, concrete floor, automated high-density rack storage system with guided retrieval vehicles, computer control area, fire protection system, ventilation, utilities.				
11. REQUIREMENT: 28,490 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF. <u>PROJECT:</u> Provides a centralized secure automated storage facility for torpedo components. (Current mission.) <u>REQUIREMENT:</u> Efficient storage, inventory, retrieval and handling of in-process MK-48 torpedo components, parts and assemblies. There are 80,000 to 100,000 major components and sub-assemblies for MK-48 and MK-48(ADCAP) torpedoes in process at any one time at the station. In 1985, the rate of production was only 276 units annually. By 1989, a production rate of 525 units will be required. Automated handling of components with real-time inventory control will be necessary to attain the production rates. <u>CURRENT SITUATION:</u> Production shop floor space and some vertical storage racks are used to store MK-48 torpedo sections and parts. The amount of available space is not adequate requiring many units to be stored outside and in some cases, up to six miles from the shop. Items are retrieved when needed by manually searching through the various storage sites. Frequently, several units must be moved to retrieve the required item. This method of				

(Continued on DD 1391c)

1. COMPONENT <b>NAVY</b>	2. DATE <b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>								
3. INSTALLATION AND LOCATION <b>NAVAL UNDERSEA WARFARE ENGINEERING STATION, KEYPORT, WASHINGTON</b>									
4. PROJECT TITLE <b>AUTOMATED MATERIALS HANDLING FACILITY</b>	5. PROJECT NUMBER <b>P-295</b>								
<p>11. REQUIREMENT: (Continued)  <u>CURRENT SITUATION:</u> (Continued)  operation is labor intensive and inefficient which increases production costs and the inventory of torpedo components. While marginally adequate for previous MK-48 production, the addition of the MK-48 ADCAP workload makes these methods no longer feasible. The ADCAP program has more stringent security and inventory regulations which must be accommodated.  <u>IMPACT IF NOT PROVIDED:</u> Increased costs and turn-around time for the MK-48 and ADCAP torpedoes caused by the congested work areas and increased rework because of components being damaged from multiple handling.  <u>ADDITIONAL:</u> An economic analysis has been performed and indicates a payback period of less than 2 years.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 40px;"> (1) Status:  (a) Date Design Started..... <u>6-86</u>  (b) Percent Complete as of January 1990..... <u>100</u>  (c) Date Design 35% Complete..... <u>11-86</u>  (d) Date Design Complete..... <u>7-88</u> </div> <div style="margin-left: 40px;"> (2) Basis:  (a) Standard or Definitive Design: Yes _____ No <u>X</u>  (b) Where Design Was Most Recently Used: <u>N/A</u> </div> <div style="margin-left: 40px;"> (3) Total cost (c) = (a) + (b) or (d) + (e): <u>(\$000)</u>  (a) Production of Plans and Specifications..... ( <u>350</u> )  (b) All Other Design Costs..... ( <u>400</u> )  (c) Total..... <u>750</u>  (d) Contract..... ( <u>725</u> )  (e) In-house..... ( <u>25</u> ) </div> <div style="margin-left: 40px;"> (4) Construction start..... <u>12-90</u>  (month and year) </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-left: 40px; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;">Equipment Nomenclature</th> <th style="text-align: left;">Procuring Appropriation</th> <th style="text-align: left;">Fiscal Year Appropriated or Requested</th> <th style="text-align: left;">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Inventory Computer System</td> <td>WPN-3</td> <td>1990</td> <td>1,440</td> </tr> </tbody> </table>		Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	Inventory Computer System	WPN-3	1990	1,440
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)						
Inventory Computer System	WPN-3	1990	1,440						

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> <b>MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON</b>				4. PROJECT TITLE <b>FIRE STATION</b>		
5. PROGRAM ELEMENT <b>0702096N</b>		6. CATEGORY CODE <b>730.10</b>		7. PROJECT NUMBER <b>P-309</b>		8. PROJECT COST (\$000) <b>1,100</b>
<b>9. COST ESTIMATES</b>						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
FIRE STATION . . . . .	SF	7,690	-	650		
BUILDING . . . . .	SF	4,800	104.00	( 500)		
FIRE STATION RENOVATION . . . . .	SF	2,890	52.00	( 150)		
SUPPORTING FACILITIES . . . . .	-	-	-	340		
UTILITIES . . . . .	LS	-	-	( 270)		
PAVING AND SITE IMPROVEMENT . . . . .	LS	-	-	( 70)		
SUBTOTAL . . . . .	-	-	-	990		
CONTINGENCY (5%) . . . . .	-	-	-	50		
TOTAL CONTRACT COST . . . . .	-	-	-	1,040		
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	60		
TOTAL REQUEST . . . . .	-	-	-	1,100		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
One-story reinforced concrete frame building, concrete floor and foundation, masonry walls, built-up roof over metal decking, hose drying tower, fire protection system, ventilation, utilities; interior renovation of existing fire house for administration space and communication center.						
11. REQUIREMENT: <u>7,690</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: ( <u>2,890</u> ) SF.						
PROJECT: Constructs a two-company fire station and alters vacated building for a communications center. (Current mission.)						
REQUIREMENT: Adequate facilities to insure fire protection for personnel and ammunition facilities. Response time between fire station and ship berthing and pier facilities must be less than four and one-half minutes or be within two miles of the waterfront where ships berth and load or unload ordnance and ammunition.						
CURRENT SITUATION: Fire protection for this remote location is provided by station forces. The existing fire station is located on the south end of the island and cannot meet the response time or distance requirement. The existing facility only accommodates one fire company whereas two companies are required to satisfy the fire protection support necessary to prevent a major catastrophe in the event of an explosion or fire. The vacated fire house will be altered to provide a central communications center. There is presently no communications center capability on the island.						
IMPACT IF NOT PROVIDED: Fire protection for personnel safety and ammunition facilities would continue to be marginal and may jeopardize the handling and security of ordnance.						
(Continued on DD 1391c)						

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL UNDERSEA WARFARE ENGINEERING STATION, KEYPORT, WASHINGTON			
4. PROJECT TITLE		5. PROJECT NUMBER	
FIRE STATION		P-309	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... 8-86			
(b) Percent Complete as of January 1990..... 100			
(c) Date Design 35% Complete..... 11-86			
(d) Date Design Complete..... 4-87			
(2) Basis:			
(a) Standard or Definitive Design: Yes No <input checked="" type="checkbox"/> X			
(b) Where Design Was Most Recently Used: N/A			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( 65 )			
(b) All Other Design Costs..... ( 45 )			
(c) Total..... 110			
(d) Contract..... ( 90 )			
(e) In-house..... ( 20 )			
(4) Construction start..... 12-90			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION NAVAL UNDERSEA WARFARE ENGINEERING STATION KEYPORT, WASHINGTON				4. PROJECT TITLE SUBMARINE WEAPONS SYSTEMS SHOP		
5. PROGRAM ELEMENT 0702096N		6. CATEGORY CODE 213.51	7. PROJECT NUMBER P-337		8. PROJECT COST (\$000) 10,100	
9. COST ESTIMATES						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
SUBMARINE WEAPONS SYSTEMS SHOP . . . . .	SF	74,400	111.00	8,260		
SUPPORTING FACILITIES. . . . .	-	-	-	860		
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 420)		
UTILITIES. . . . .	LS	-	-	( 330)		
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 110)		
SUBTOTAL . . . . .	-	-	-	9,120		
CONTINGENCY (5%) . . . . .	-	-	-	450		
TOTAL CONTRACT COST. . . . .	-	-	-	9,570		
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	530		
TOTAL REQUEST. . . . .	-	-	-	10,100		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION  Two-story steel frame and masonry building, pile foundation, concrete floors, built-up roof, shops, laboratories, office spaces, staging and storage areas, vault, computer room with computer flooring, training room, shielding; 400Hz electric power, high and low pressure air systems, temperature and humidity controlled areas, ventilation and water cooled areas, fire protection system, communications, utilities.						
11. REQUIREMENT: 74,400 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF. PROJECT: Constructs a facility to accommodate five vital submarine weapons shop functions, and consolidates 22 scattered submarine weapons activities. (Current mission.) REQUIREMENT: Adequate component repair, upgrade, refurbishment and test space for fire control, defensive weapon, combat control and sonar systems to support SSN 637, 688, and 21 classes of SSBN submarines. Keyport is the designated Navy Depot for these critical submarine weapons systems and adequate facilities to support present and new programs are essential. Depot facilities must be available for a nearly five-fold increase in sonar systems between 1986 and 1992. Combat control system support will increase by 150% during the same period. For the SSBN combat system, sonar and defensive weapon systems work will also grow. Further requirements include a 167% increase in fire control system refurbishment work.						
(Continued on DD 1391c)						

1. COMPONENT	2. DATE																											
NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA																											
3. INSTALLATION AND LOCATION																												
NAVAL UNDERSEA WARFARE ENGINEERING STATION, KEYPORT, WASHINGTON																												
4. PROJECT TITLE	5. PROJECT NUMBER																											
SUBMARINE WEAPONS SYSTEMS SHOP	P-337																											
<p>11. REQUIREMENT: (Continued)</p> <p><b>CURRENT SITUATION:</b> Inadequate, crowded and inefficient weapons systems' shop spaces are contributing to high cost operations because there is a wide separation of related industrial functions. Existing program needs occupy all available spaces. Present shop and test functions occupy portions of 22 separate buildings spread over four sites, Keyport and Bangor-6 miles away, Brownsville-3 miles away, and Indian Island-36 miles away. These widely dispersed locations result in unnecessary travel, security problems, inefficient personnel usage, increased technical response time, and an absence of centralized, cost-effective management. It is estimated \$50,000 annually in equipment damage is incurred because of movement between work locations.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Submarine combat readiness critical to the national defense will be adversely impacted. Severe overcrowding will continue and will worsen resulting in diminished response time to the fleet. Lost personnel-time because of unnecessary travel between the scattered sites, now computed at about 1,700 man hours annually, will be certain to increase. Added activity costs will be incurred for leasing of commercial, nonsecure spaces to accommodate five new programs.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started.....</td> <td>11-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>5-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>1-90</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes</td> <td>No</td> <td>X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>600</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>400</td> </tr> <tr> <td>(c) Total.....</td> <td>1000</td> </tr> <tr> <td>(d) Contract.....</td> <td>960</td> </tr> <tr> <td>(e) In-house.....</td> <td>40</td> </tr> </table> <p>(4) Construction start..... 12-90 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Date Design Started.....	11-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	1-90	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A			(a) Production of Plans and Specifications.....	600	(b) All Other Design Costs.....	400	(c) Total.....	1000	(d) Contract.....	960	(e) In-house.....	40
(a) Date Design Started.....	11-88																											
(b) Percent Complete as of January 1990.....	100																											
(c) Date Design 35% Complete.....	5-89																											
(d) Date Design Complete.....	1-90																											
(a) Standard or Definitive Design:	Yes	No	X																									
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(c) Total.....	1000																											
(d) Contract.....	960																											
(e) In-house.....	40																											



1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION NAVAL HOSPITAL, OAK HARBOR, WASHINGTON				4. COMMAND NAVAL MEDICAL COMMAND		5. AREA CONSTR. COST INDEX 1.14				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	53	112	41	0	0	0	0	0	0	206
b. END FY 1994	58	114	43	0	0	0	0	0	0	215
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE . . . . . TENANT OF NAS										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 0										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 0										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 2,170										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0										
g. REMAINING DEFICIENCY . . . . . 0										
h. GRAND TOTAL . . . . . 2,170										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS START    COMPLETE				
171.20	AVIAT PHYSIOLOGY TRG FAC			13,800 SF	2,170	12/88    10/89				
	TOTAL				2,170					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS: NONE										
10. MISSION OR MAJOR FUNCTIONS:										
(Aviation Physiology Training Unit): Provide indoctrination and refresher training to aircrew in aviation physiology and life support equipment. Instruction on respiration, circulation, acceleration, spatial orientation and vision to enable pilots and aircrewmen to become familiar with their physical limitations and thus react better to emergency situations.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT . . . . . 0										
B: INSTALLATION RESTORATION . . . . . 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): . . . . . 0										

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL HOSPITAL, OAK HARBOR, WASHINGTON			4. PROJECT TITLE AVIATION PHYSIOLOGY TRAINING FACILITY		
5. PROGRAM ELEMENT  0807796N	6. CATEGORY CODE  171.20	7. PROJECT NUMBER  P-007	8. PROJECT COST (\$000)  2,170		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
AVIATION PHYSIOLOGY TRAINING FACILITY. . . .	SF	13,800	120.00	1,660	
SUPPORTING FACILITIES. . . . .	-	-	-	300	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 80)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 90)	
PAVING & SITE IMPR, RELOCATE, DEMOLITION .	LS	-	-	( 130)	
SUBTOTAL . . . . .	-	-	-	1,960	
CONTINGENCY (5%) . . . . .	-	-	-	100	
TOTAL CONTRACT COST . . . . .	-	-	-	2,060	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	110	
TOTAL REQUEST. . . . .	-	-	-	2,170	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>One-story reinforced concrete frame building, concrete foundation and floor, pre-cast concrete wall panels, built-up roof; administration, classrooms, specialized training and equipment rooms, instructors offices, fire protection system, air conditioning, utilities; relocate low-pressure altitude training chamber and ejection seat trainer devices; demolition of one building.</p>					
<p>11. REQUIREMENT: <u>13,800</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>0</u> SF.  PROJECT: Constructs training facility including administrative space, classrooms, low-pressure chamber, and ejection seat training devices. (Current mission.)  REQUIREMENT: Adequate space to accommodate aviation physiology and water survival classroom training for all aviation personnel in the northwest region including fleet aviation base loading at Whidbey Island for 21 squadrons. This project will relieve congestion and fragmentation of services.  CURRENT SITUATION: Functions are now carried out in a inadequate area having structural and OSHA deficiencies and less than half the space required, and inconveniently located a considerable distance from the hospital. Austere facilities are not conducive to the presentation, practical application, and retention of vital training in flight stress and emergency procedures. Wide separation of the training spaces and</p>					
(Continued on DD 1391c)					

1. COMPONENT	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																						
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3. INSTALLATION AND LOCATION																								
NAVAL HOSPITAL, OAF HARBOR, WASHINGTON																								
4. PROJECT TITLE		5. PROJECT NUMBER																						
AVIATION PHYSIOLOGY TRAINING FACILITY		P-007																						
<p>11. REQUIREMENT: (Continued)</p> <p><u>CURRENT SITUATION:</u> (Continued)</p> <p>classrooms from the medical facility results in excessive travel time and wasted motion. No other facilities are available of sufficient size or proper location to house these functions.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Unable to comply with directives to provide sufficient aviation physiology and aircrew flight equipment training to all Fleet aviation personnel.</p>																								
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">12-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">5-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">10-89</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 115 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 140 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">255</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 240 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 15 )</td> </tr> </table> <p>(4) Construction start..... 11-90 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Date Design Started.....	12-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	5-89	(d) Date Design Complete.....	10-89	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	( 115 )	(b) All Other Design Costs.....	( 140 )	(c) Total.....	255	(d) Contract.....	( 240 )	(e) In-house.....	( 15 )
(a) Date Design Started.....	12-88																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	5-89																							
(d) Date Design Complete.....	10-89																							
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	N/A																							
(a) Production of Plans and Specifications.....	( 115 )																							
(b) All Other Design Costs.....	( 140 )																							
(c) Total.....	255																							
(d) Contract.....	( 240 )																							
(e) In-house.....	( 15 )																							

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON				4. COMMAND STRATEGIC SYSTEMS PROJECTS OFFICE		5. AREA CONSTR. COST INDEX 1.14				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	16	91	371	0	0	0	0	0	0	478
b. END FY 1994	18	98	388	0	0	0	0	0	0	474
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 0 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 118,800										
c. AUTHORIZATION NOT YET IN INVENTORY 15,060										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 53,700										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 49,590										
f. PLANNED IN NEXT THREE PROGRAM YEARS 89,790										
g. REMAINING DEFICIENCY 3,300										
h. GRAND TOTAL 330,240										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN START	STATUS COMPLETE					
143.60	TRANSFER FACILITY ADDITION	9,600 SF	3,500	06/87	09/88					
171.20	TRAINING FACILITY ADDITION	37,000 SF	7,400	12/88	03/90					
212.30	RADIOGRAPHIC INSPEC BLDG	28,720 SF	10,800	12/88	06/90					
212.30	MOTOR INSPECTION BUILDING	15,130 SF	8,000	12/88	03/90					
212.30	MISSILE ASSEMBLY BLDG	24,550 SF	7,300	06/87	09/88					
421.62	MAGAZINE MODIFICATIONS	LS	1,600	04/89	04/90					
610.10	ENGINEERING SERVICES BLDG	20,000 SF	3,500	09/88	09/89					
932.20	U&SI	LS	8,600	09/88	04/90					
TOTAL			53,700							
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM										
152.10	EWB MODIFICATION	LS	550							
212.30	MISSILE ASSEMBLY BUILDING	LS	6,800							
212.30	MISSILE ASSEMBLY BLDG & CSA	LS	2,280							
212.77	LAUNCHER SUPPORT BUILDING	LS	2,880							
421.72	REENTRY BODY MAGS	LS	8,830							
421.72	MSL MOTOR MAGS	LS	6,430							
421.72	MISSILE MOTOR MAGS	LS	12,400							
932.20	UTILITIES & SITE IMPVS	LS	9,420							
TOTAL			49,590							
10. MISSION OR MAJOR FUNCTIONS:										
Provide support on west coast for the operational TRIDENT system of submarines and long range missiles, including processing capability for assembly and disassembly of both explosive and non-explosive components of the TRIDENT II (D-5) missile.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON				4. PROJECT TITLE ENGINEERING SERVICES BUILDING		
5. PROGRAM ELEMENT  0101220N		6. CATEGORY CODE  610.10		7. PROJECT NUMBER  P-806		8. PROJECT COST (\$000)  3,500
<b>9. COST ESTIMATES</b>						
ITEM				U/M	QUANTITY	UNIT COST
ENGINEERING SERVICES BUILDING . . . . .				SF	20,000	2,740
BUILDING . . . . .				SF	20,000	123.00 (2,460)
BUILT-IN EQUIPMENT . . . . .				LS	-	( 280)
SUPPORTING FACILITIES . . . . .				-	-	420
ELECTRICAL UTILITIES . . . . .				LS	-	( 150)
MECHANICAL UTILITIES . . . . .				LS	-	( 80)
PAVING AND SITE IMPROVEMENT . . . . .				LS	-	( 190)
SUBTOTAL . . . . .				-	-	3,160
CONTINGENCY (5%) . . . . .				-	-	160
TOTAL CONTRACT COST . . . . .				-	-	3,320
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .				-	-	180
TOTAL REQUEST . . . . .				-	-	3,500
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS . . . . .				-	-	( NON-ADD ) ( 0 )
10. DESCRIPTION OF PROPOSED CONSTRUCTION  One-story steel-frame building, masonry walls, concrete foundation and floor, built-up roof on insulated metal deck; raised flooring; fire protection and alarm systems; security system; communications; underground utilities duct system; utilities; storm drainage; air conditioning.  11. REQUIREMENT: <u>90,900 SF.</u> ADEQUATE: <u>70,900 SF.</u> SUBSTANDARD: <u>0 SF.</u> PROJECT: Provides an engineering services building. (New mission.) REQUIREMENT: Adequate administrative, engineering, training, supply, data processing, and computer equipment spaces to support TRIDENT II missile production. CURRENT SITUATION: A TRIDENT II missile processing capability does not currently exist at the base. The existing engineering services building is being fully utilized to support TRIDENT I missile production. IMPACT IF NOT PROVIDED: The base will be incapable of housing engineering administrative personnel and computer equipment required to support the TRIDENT II Strategic Weapons Facility production operations.						

(Continued on DD 1391c)

1. COMPONENT NAVY	2. DATE FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA																							
3. INSTALLATION AND LOCATION STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON																								
4. PROJECT TITLE ENGINEERING SERVICES BUILDING		5. PROJECT NUMBER P-806																						
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">9-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">2-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">9-89</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;"><u>N/A</u></td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 185 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 235 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">420</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 380 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 40 )</td> </tr> </table> <p>(4) Construction start..... <u>1-91</u> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Date Design Started.....	9-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	2-89	(d) Date Design Complete.....	9-89	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( 185 )	(b) All Other Design Costs.....	( 235 )	(c) Total.....	420	(d) Contract.....	( 380 )	(e) In-house.....	( 40 )
(a) Date Design Started.....	9-88																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	2-89																							
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(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
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(d) Contract.....	( 380 )																							
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1. COMPONENT NAVY		2. DATE FY 1991 MILITARY CONSTRUCTION PROJECT DATA		
3. INSTALLATION AND LOCATION STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON		4. PROJECT TITLE MAGAZINE MODIFICATIONS		
5. PROGRAM ELEMENT 0101228N	6. CATEGORY CODE 421.62	7. PROJECT NUMBER P-943	8. PROJECT COST (\$000) 1,600	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
MAGAZINE MODIFICATIONS . . . . .	LS	-	-	1,090
SUPPORTING FACILITIES . . . . .	-	-	-	360
UTILITIES, PAVING AND SITE IMPROVEMENTS . .	LS	-	-	( 360)
SUBTOTAL . . . . .	-	-	-	1,450
CONTINGENCY (5%) . . . . .	-	-	-	70
TOTAL CONTRACT COST . . . . .	-	-	-	1,520
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	80
TOTAL REQUEST . . . . .	-	-	-	1,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION Mechanical equipment room modifications; environmental control system upgrade; lighting system replacement; electrical system modifications; grounding grid modification; barrier wall addition with wing walls.				
11. REQUIREMENT: <u>As Required.</u> PROJECT: Provides modifications to three ordnance magazines for re-entry body storage. (New mission.) REQUIREMENT: Adequate capacity of compartmentalized and environmentally controlled magazines to meet the requirements for storage of re-entry bodies in support of the TRIDENT II fleet deployment schedule. CURRENT SITUATION: The existing magazines are being utilized for A3 ordnance storage. IMPACT IF NOT PROVIDED: The activity will not have adequate capacity to store the required quantities of re-entry bodies needed to support Strategic Weapons Facility D-5 production operations.				
(Continued on DD 1391c)				

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON			
4. PROJECT TITLE		5. PROJECT NUMBER	
MAGAZINE MODIFICATIONS		P-943	
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... 4-89</p> <p>(b) Percent Complete as of January 1990..... 70</p> <p>(c) Date Design 35% Complete..... 9-89</p> <p>(d) Date Design Complete..... 4-90</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes _____ No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( 85 )</p> <p>(b) All Other Design Costs..... ( 110 )</p> <p>(c) Total..... 195</p> <p>(d) Contract..... 175</p> <p>(e) In-house..... ( 20 )</p> <p>(4) Construction start..... 1-91</p> <p>(month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			



1. COMPONENT <b>NAVY</b>		FY 1991 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON</b>				4. PROJECT TITLE <b>MISSILE ASSEMBLY BUILDING</b>		
5. PROGRAM ELEMENT <b>0101228N</b>		6. CATEGORY CODE <b>210 30</b>		7. PROJECT NUMBER <b>P-937</b>		8. PROJECT COST (\$000) <b>7,300</b>
<b>9. COST ESTIMATES</b>						
ITEM				U/M	QUANTITY	UNIT COST
MISSILE ASSEMBLY BUILDING . . . . .				SF	24,550	-
BUILDING . . . . .				SF	24,550	162.00
BUILT-IN EQUIPMENT . . . . .				LS	-	( 460)
SUPPORTING FACILITIES . . . . .				-	-	2,170
SPECIAL CONSTRUCTION FEATURES . . . . .				LS	-	( 200)
ELECTRICAL UTILITIES . . . . .				LS	-	( 790)
MECHANICAL UTILITIES . . . . .				LS	-	( 420)
PAVING AND SITE IMPROVEMENT . . . . .				LS	-	( 760)
SUBTOTAL . . . . .				-	-	6,590
CONTINGENCY (5%) . . . . .				-	-	330
TOTAL CONTRACT COST . . . . .				-	-	6,920
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .				-	-	380
TOTAL REQUEST . . . . .				-	-	7,300
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS . . . . .				-	-	( 6,880)
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>						
Steel-frame building with high-bay area, special concrete foundation and floors, insulated masonry and metal walls, built-up roof, loading dock; fire protection system; lightning protection; security system; electrical and mechanical utilities; storm drainage; cranes; air conditioning.						
11. REQUIREMENT: 290,670 SF. ADEQUATE: 222,270 SF. SUBSTANDARD: 0 SF.						
PROJECT: Provides a missile assembly building. (New mission.)						
REQUIREMENT: Adequate missile processing facilities to maintain the required production rate for TRIDENT II missiles. Activities include missile section buildup, horizontal missile assembly/disassembly, nose fairing mate/demate, missile transfer to and from missile transporter, missile systems testing, post-mate checkout, and final missile inspection, checkout and transfer of TRIDENT II missiles.						
CURRENT SITUATION: A TRIDENT II missile processing capability does not currently exist at this facility. Existing missile assembly buildings cannot provide the total required processing capability for TRIDENT I and II missiles.						
IMPACT IF NOT PROVIDED: The increased production rate of TRIDENT II missiles required to support the Pacific Fleet deployment schedule will not be possible.						
(Continued on DD 1391c)						

1. COMPONENT  NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																														
3. INSTALLATION AND LOCATION  STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON																																
4. PROJECT TITLE  MISSILE ASSEMBLY BUILDING	5. PROJECT NUMBER  P-937																															
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">6-87</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">10-87</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">9-88</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 395 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 280 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">675</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 655 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 20 )</td> </tr> </table> <p>(4) Construction start..... 1-91 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment Nomenclature</u></th> <th style="text-align: left;"><u>Procuring Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year Appropriated or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Electrical, Mechanical and Technical Equipment</td> <td>WPN</td> <td>1989</td> <td>6,880</td> </tr> </tbody> </table>			(a) Date Design Started.....	6-87	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	10-87	(d) Date Design Complete.....	9-88	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	( 395 )	(b) All Other Design Costs.....	( 280 )	(c) Total.....	675	(d) Contract.....	( 655 )	(e) In-house.....	( 20 )	<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>	Electrical, Mechanical and Technical Equipment	WPN	1989	6,880
(a) Date Design Started.....	6-87																															
(b) Percent Complete as of January 1990.....	100																															
(c) Date Design 35% Complete.....	10-87																															
(d) Date Design Complete.....	9-88																															
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																															
(b) Where Design Was Most Recently Used:	N/A																															
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<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>																													
Electrical, Mechanical and Technical Equipment	WPN	1989	6,880																													

1. COMPONENT NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON				4. PROJECT TITLE MOTOR INSPECTION BUILDING		
5. PROGRAM ELEMENT 0101228N		6. CATEGORY CODE 212.30		7. PROJECT NUMBER P-809		8. PROJECT COST (\$000) 8,000
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
MOTOR INSPECTION BUILDING. . . . .		SF	15,130	-	5,740	
BUILDING. . . . .		SF	15,130	342.00	( 5,180)	
BUILT-IN EQUIPMENT. . . . .		LS	-	-	( 560)	
SUPPORTING FACILITIES. . . . .		-	-	-	1,480	
ELECTRICAL UTILITIES. . . . .		LS	-	-	( 290)	
MECHANICAL UTILITIES. . . . .		LS	-	-	( 190)	
LIGHTNING PROTECTION. . . . .		LS	-	-	( 130)	
PAVING AND SITE IMPROVEMENT. . . . .		LS	-	-	( 870)	
SUBTOTAL. . . . .		-	-	-	7,220	
CONTINGENCY (5%). . . . .		-	-	-	360	
TOTAL CONTRACT COST. . . . .		-	-	-	7,580	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .		-	-	-	420	
TOTAL REQUEST. . . . .		-	-	-	8,000	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 2,070)	
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b> Multi-story concrete and steel frame masonry building, concrete foundation, frangible siding, built-up roof; underground utilities distribution; mechanical utilities; electrical substation and utilities; fire protection and security systems; lightning protection; cranes; air conditioning; berms; storm drainage.						
<b>11. REQUIREMENT:</b> 290,670 SF. <b>ADEQUATE:</b> 222,270 SF. <b>SUBSTANDARD:</b> 0 SF. <b>PROJECT:</b> Provides a Motor Inspection Building. (New mission.) <b>REQUIREMENT:</b> Adequate facilities to maintain the required rate of first, second and third stage motor processing for TRIDENT II missiles. Activities include thrust and vector control system installation and removal, motor pressurization leak testing, conduit installation and removal, igniter replacement, motor repair and nozzle replacement. <b>CURRENT SITUATION:</b> A TRIDENT II missile processing capability does not currently exist at the base. <b>IMPACT IF NOT PROVIDED:</b> The base will be unable to fulfill its function as a TRIDENT II missile assembly facility in support of the Pacific Fleet deployment schedule.						

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 <sup>91</sup> <b>MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
3. INSTALLATION AND LOCATION  STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON		
4. PROJECT TITLE  MOTOR INSPECTION BUILDING	5. PROJECT NUMBER  P-809	

12. SUPPLEMENTAL DATA:

a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a) Date Design Started.....	12-88
(b) Percent Complete as of January 1990.....	80
(c) Date Design 35% Complete.....	6-89
(d) Date Design Complete.....	3-90

(2) Basis:

(a) Standard or Definitive Design:	Yes _____ No <u>X</u>
(b) Where Design Was Most Recently Used:	N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)

(a) Production of Plans and Specifications.....	( 430 )
(b) All Other Design Costs.....	( 300 )
(c) Total.....	730
(d) Contract.....	( 690 )
(e) In-house.....	( 40 )

(4) Construction start..... 1-91  
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>
Electrical, Mechanical and Technical Equipment	WPN	1989 - 1990	2,070

1. COMPONENT <b>NAVY</b>		FY 1991 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON</b>			4. PROJECT TITLE <b>RADIOGRAPHIC INSPECTION BUILDING</b>		
5. PROGRAM ELEMENT <b>0101228N</b>	6. CATEGORY CODE <b>212,30</b>	7. PROJECT NUMBER <b>P-807</b>	8. PROJECT COST (\$000) <b>13,800</b>		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
RADIOGRAPHIC INSPECTION BUILDING. . . . .	SF	28,720	-	11,250	
BUILDING. J . . . . .	SF	28,720	334.00	( 9,590)	
BUILT-IN EQUIPMENT. . . . .	LS	-	-	( 1,660)	
SUPPORTING FACILITIES . . . . .	-	-	-	1,210	
ELECTRICAL UTILITIES. . . . .	LS	-	-	( 450)	
MECHANICAL UTILITIES. . . . .	LS	-	-	( 180)	
LIGHTNING PROTECTION. . . . .	LS	-	-	( 220)	
PAVING AND SITE IMPROVEMENT . . . . .	LS	-	-	( 360)	
SUBTOTAL. . . . .	-	-	-	12,460	
CONTINGENCY (5%). . . . .	-	-	-	620	
TOTAL CONTRACT COST . . . . .	-	-	-	13,080	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) .	-	-	-	720	
TOTAL REQUEST . . . . .	-	-	-	13,800	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(21,460)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Multi-story concrete and masonry building on reinforced concrete foundation with high-bay motor inspection cells, built-up roof and concrete floor with elevator/turntable pits and downender pits; underground utilities distribution; mechanical and electrical utilities; radiation shielding; fire protection system; lightning protection; communications; security system; earth berms; storm drainage; cranes; air conditioning.</p>					
<p>11. REQUIREMENT: <u>290,670 SF.</u> ADEQUATE: <u>222,270 SF.</u> SUBSTANDARD: <u>0 SF.</u>  PROJECT: Provides a radiographic inspection building. (New mission.)  REQUIREMENT: Adequate facilities to maintain the required rate of radiographic inspection of TRIDENT II first, second, and third stage motors and small ordnance items. Activities include erecting rocket motors, transporting and positioning motors for radiographic inspection, x-ray inspection of gas generators and other small ordnance items, and x-ray film processing support.  CURRENT SITUATION: A TRIDENT II radiographic inspection capability does not currently exist at this facility.  IMPACT IF NOT PROVIDED: This facility will not be able to conduct radiographic inspection of TRIDENT II motors, adversely impacting missile reliability.</p>					
(Continued on DD 1391c)					

1. COMPONENT  NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION  STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON		
4. PROJECT TITLE  RADIOGRAPHIC INSPECTION BUILDING	5. PROJECT NUMBER  P-807	

12. SUPPLEMENTAL DATA:

a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a) Date Design Started.....	12-88
(b) Percent Complete as of January 1990.....	70
(c) Date Design 35% Complete.....	7-89
(d) Date Design Complete.....	6-90

(2) Basis:

(a) Standard or Definitive Design:	Yes	No	X
(b) Where Design Was Most Recently Used:	N/A		

(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)

(a) Production of Plans and Specifications.....	( 700 )
(b) All Other Design Costs.....	( 360 )
(c) Total.....	1060
(d) Contract.....	( 1000 )
(e) In-house.....	( 60 )

(4) Construction start..... 12-90  
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)
Electrical, Mechanical and Technical Equipment	WPN	1990	21,460

1. COMPONENT NAVY		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON			4. PROJECT TITLE TRAINING FACILITY ADDITION		
5. PROGRAM ELEMENT 0101228N	6. CATEGORY CODE 171.20	7. PROJECT NUMBER P-935	8. PROJECT COST (\$000) 7,400		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
TRAINING FACILITY ADDITION. . . . .	SF	31,700	-	6,190	
BUILDING ADDITION . . . . .	SF	31,700	128.00	(4,060)	
BUILDING MODIFICATIONS. . . . .	LS	-	-	( 750)	
BUILT-IN EQUIPMENT. . . . .	LS	-	-	(1,380)	
SUPPORTING FACILITIES . . . . .	-	-	-	490	
ELECTRICAL UTILITIES. . . . .	LS	-	-	( 340)	
MECHANICAL UTILITIES. . . . .	LS	-	-	( 70)	
PAVING AND SITE IMPROVEMENT . . . . .	LS	-	-	( 80)	
SUBTOTAL. . . . .	-	-	-	6,680	
CONTINGENCY (5%). . . . .	-	-	-	330	
TOTAL CONTRACT COST . . . . .	-	-	-	7,010	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	390	
TOTAL REQUEST . . . . .	-	-	-	7,400	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(237,410)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Concrete and masonry building addition with steel framing, electrical and mechanical utilities, emergency electric power, raised flooring, air conditioning, fire protection and security systems, lightning protection; utilities modifications.					
11. REQUIREMENT: 356,200 SF. ADEQUATE: 324,500 SF. SUBSTANDARD: 0 SF. PROJECT: Provides an addition and modifications to the existing TRIDENT Training Facility. (New mission.) REQUIREMENT: Replacement, conversion, advanced and team training on missile launcher, fire control, and navigation equipment for crews of the TRIDENT II Pacific Submarine Fleet. CURRENT SITUATION: There is currently no facility for TRIDENT II training of crews for the TRIDENT II Pacific Submarine Fleet. Training of TRIDENT II crews cannot be conducted on existing TRIDENT I equipment. Phasing of existing Pacific Fleet SSBNs from TRIDENT I to TRIDENT II configuration precludes conversion of existing TRIDENT I trainers to TRIDENT II. IMPACT IF NOT PROVIDED: TRIDENT II training would have to be conducted at the Kings Bay TRIDENT Training Facility which would overburden its capacity and would be cost prohibitive. Operational and readiness capabilities of the TRIDENT II Pacific Submarine Fleet will be adversely impacted.					
(Continued on DD 1391c)					

1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
3. INSTALLATION AND LOCATION <b>STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON</b>		
4. PROJECT TITLE <b>TRAINING FACILITY ADDITION</b>	5. PROJECT NUMBER <b>P-935</b>	

12. SUPPLEMENTAL DATA:

a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a) Date Design Started.....	<u>12-88</u>
(b) Percent Complete as of January 1990.....	<u>80</u>
(c) Date Design 35% Complete.....	<u>6-89</u>
(d) Date Design Complete.....	<u>3-90</u>

(2) Basis:

(a) Standard or Definitive Design:	Yes <u>      </u> No <u>X</u>
(b) Where Design Was Most Recently Used:	<u>N/A</u>

(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)

(a) Production of Plans and Specifications.....	( <u>400</u> )
(b) All Other Design Costs.....	( <u>265</u> )
(c) Total.....	<u>665</u>
(d) Contract.....	( <u>600</u> )
(e) In-house.....	( <u>65</u> )

(4) Construction start..... 1-91  
(month and year)

b. Equipment associated with this project which will be provided from other appropriations:

<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>
Tactical and Training Equipment	OPN	1988 - 1994	237,410



1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON				4. PROJECT TITLE TRANSFER FACILITY ADDITION		
5. PROGRAM ELEMENT 0101228N		6. CATEGORY CODE 143.60	7. PROJECT NUMBER P-957		8. PROJECT COST (\$000) 3,500	
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
TRANSFER FACILITY . . . . .		SF	9,600	-	2,320	
BUILDING ADDITION . . . . .		SF	9,600	222.00	(2,140)	
BUILT-IN EQUIPMENT. . . . .		LS	-	-	( 180)	
SUPPORTING FACILITIES . . . . .		-	-	-	840	
SPECIAL CONSTRUCTION FEATURES . . . . .		LS	-	-	( 70)	
ELECTRICAL UTILITIES. . . . .		LS	-	-	( 400)	
MECHANICAL UTILITIES. . . . .		LS	-	-	( 70)	
PAVING AND SITE IMPROVEMENT . . . . .		LS	-	-	( 300)	
SUBTOTAL. . . . .		-	-	-	3,160	
CONTINGENCY (5%). . . . .		-	-	-	160	
TOTAL CONTRACT COST . . . . .		-	-	-	3,320	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .		-	-	-	180	
TOTAL REQUEST . . . . .		-	-	-	3,500	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION Multi-story steel-frame building addition, concrete foundation and floors, engineered fill, masonry and metal panel walls, built-up roof; special foundation; lightning protection; fire protection and security systems; crane; air conditioning, utilities; storm drainage.  11. REQUIREMENT: <u>9,600 SF.</u> Adequate: <u>0 SF.</u> Substandard: <u>0 SF.</u> PROJECT: Provides a TRIDENT II missile transfer facility. (New mission.) REQUIREMENT: Adequate facilities for the receiving and shipping of missile motors, active/inert missiles (AIM), and small ordnance components, and for the transfer of these items from interstate carriers to on-base transporters for delivery to production building storage. CURRENT SITUATION: A TRIDENT II missile processing capability does not currently exist at the base. IMPACT IF NOT PROVIDED: The Strategic Weapons Facility will be incapable of receiving and shipping AIMS, missile motors, and small ordnance in support of the TRIDENT II production operations.						
(Continued on DD 1391c)						

1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON		
4. PROJECT TITLE TRANSFER FACILITY ADDITION	5. PROJECT NUMBER P-957	

12. SUPPLEMENTAL DATA:

a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")

(1) Status:

(a) Date Design Started.....	6-87
(b) Percent Complete as of January 1990.....	100
(c) Date Design 35% Complete.....	10-87
(d) Date Design Complete.....	9-88

(2) Basis:

(a) Standard or Definitive Design:	Yes _____ No <u>X</u>
(b) Where Design Was Most Recently Used:	N/A

(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)

(a) Production of Plans and Specifications.....	( 190 )
(b) All Other Design Costs.....	( 130 )
(c) Total.....	320
(d) Contract.....	( 310 )
(e) In-house.....	( 10 )

(4) Construction start..... 11-90  
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: None.

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON				4. PROJECT TITLE UTILITIES AND SITE IMPROVEMENTS		
5. PROGRAM ELEMENT  0101228N		6. CATEGORY CODE  932.20	7. PROJECT NUMBER  P-808		8. PROJECT COST (\$000)  8,600	
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
UTILITIES AND SITE IMPROVEMENT. . . . .		LS	-	-	7,760	
SUBTOTAL. . . . .		-	-	-	7,760	
CONTINGENCY (5%). . . . .		-	-	-	390	
TOTAL CONTRACT COST . . . . .		-	-	-	8,150	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .		-	-	-	450	
TOTAL REQUEST . . . . .		-	-	-	8,600	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS		-	- (NON-ADD)		( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Earth retention structures, earth berms, utility and communications duct system, paving, railroad modifications, utility distribution, lightning protection, site improvements, demolition, security fencing.						
11. REQUIREMENT: <u>As Required.</u>						
PROJECT: Constructs and upgrades utilities, roads, railroad facilities, communication systems, site improvements, and security fencing to support TRIDENT II weapons system. (New mission.)						
REQUIREMENT: Adequate utilities, roads, and site improvements to support new construction and modifications to existing facilities at the Strategic Weapons Facility, Pacific (SWFPAC) for upgrade to TRIDENT II weapons system capability. Infrastructure upgrade prior to building construction or modifications is required to allow uninterrupted accomplishment of the TRIDENT I weapons system mission and is critical to orderly and cost-efficient development of TRIDENT II weapons system capability at SWFPAC.						
CURRENT SITUATION: Present utilities, roads and site infrastructure are inadequate to accommodate the transition to TRIDENT II weapons system capability.						
IMPACT IF NOT PROVIDED: The activity base will not be able to fulfill its function as a TRIDENT II production facility in support of the Pacific Fleet deployment schedule.						
(Continued on DD 1391c)						

1. COMPONENT	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																						
NAVY																								
3. INSTALLATION AND LOCATION																								
STRATEGIC WEAPONS FACILITY PACIFIC, SILVERDALE, WASHINGTON																								
4. PROJECT TITLE	5. PROJECT NUMBER																							
UTILITIES AND SITE IMPROVEMENTS	P-808																							
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">9-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">80</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">4-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">4-90</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: center;">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 290 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 300 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">590</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 550 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 40 )</td> </tr> </table> <p>(4) Construction start..... <u>1-91</u> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Date Design Started.....	9-88	(b) Percent Complete as of January 1990.....	80	(c) Date Design 35% Complete.....	4-89	(d) Date Design Complete.....	4-90	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	( 290 )	(b) All Other Design Costs.....	( 300 )	(c) Total.....	590	(d) Contract.....	( 550 )	(e) In-house.....	( 40 )
(a) Date Design Started.....	9-88																							
(b) Percent Complete as of January 1990.....	80																							
(c) Date Design 35% Complete.....	4-89																							
(d) Date Design Complete.....	4-90																							
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1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AIR STATION, WHIDBEY ISLAND, WASHINGTON			4. PROJECT TITLE OPERATIONAL TRAINER FACILITY ADDITION		
5. PROGRAM ELEMENT <b>0204696N</b>	6. CATEGORY CODE <b>171.35</b>	7. PROJECT NUMBER <b>P-074</b>	8. PROJECT COST (\$000) <b>1,410</b>		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
OPERATIONAL TRAINER FACILITY ADDITION. . . .	SF	7,530	135.00	1,020	
SUPPORTING FACILITIES. . . . .	-	-	-	260	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 70)	
UTILITIES. . . . .	LS	-	-	( 140)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 50)	
SUBTOTAL . . . . .	-	-	-	1,280	
CONTINGENCY (5%) . . . . .	-	-	-	60	
TOTAL CONTRACT COST. . . . .	-	-	-	1,340	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	70	
TOTAL REQUEST. . . . .	-	-	-	1,410	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(25,000)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One-story reinforced concrete and masonry building addition, pile foundation, concrete floor, built-up roof, computer flooring, fire protection system, utilities, air conditioning.					
11. REQUIREMENT: <u>7,530</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>0</u> SF. PROJECT: Provides operational trainer facility addition. (New mission.) REQUIREMENT: Adequate and properly-configured facility addition to accommodate and support an EA-6B ADVCAP Operational Flight and Navigation Trainer. This trainer will provide a realistic cockpit environment for necessary pilot training. CURRENT SITUATION: There are no facilities available for housing this trainer. IMPACT IF NOT PROVIDED: Essential pilot training will not be accomplished.					
(Continued on DD 1351c)					

1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																														
3. INSTALLATION AND LOCATION NAVAL AIR STATION, WHIDBEY ISLAND, WASHINGTON																																
4. PROJECT TITLE OPERATIONAL TRAINER FACILITY ADDITION	5. PROJECT NUMBER P-074																															
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">10-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">3-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">9-89</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 55 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 145 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">200</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 175 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 25 )</td> </tr> </table> <p>(4) Construction start..... 11-90 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Equipment Nomenclature</th> <th style="text-align: left;">Procuring Appropriation</th> <th style="text-align: left;">Fiscal Year Appropriated or Requested</th> <th style="text-align: left;">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Weapons System Trainer</td> <td>APN</td> <td>1990</td> <td>25,000</td> </tr> </tbody> </table>			(a) Date Design Started.....	10-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	3-89	(d) Date Design Complete.....	9-89	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	N/A	(a) Production of Plans and Specifications.....	( 55 )	(b) All Other Design Costs.....	( 145 )	(c) Total.....	200	(d) Contract.....	( 175 )	(e) In-house.....	( 25 )	Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	Weapons System Trainer	APN	1990	25,000
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Weapons System Trainer	APN	1990	25,000																													

1. COMPONENT NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AIR STATION, WHIDBEY ISLAND, WASHINGTON			4. PROJECT TITLE OPERATIONAL AND MAINTENANCE TRAINER FACILITY (INCREMENT I)		
5. PROGRAM ELEMENT 0204696N	6. CATEGORY CODE 171.35	7. PROJECT NUMBER P-889	8. PROJECT COST (\$000) 17,900		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
OPERATIONAL & MAINTENANCE TRAINER FACILITY .	SF	88,070	-	12,750	
BUILDING . . . . .	SF	88,070	105.00	( 9,250)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 3,500)	
SUPPORTING FACILITIES. . . . .	-	-	-	3,410	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 2,000)	
UTILITIES. . . . .	LS	-	-	( 1,000)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 410)	
SUBTOTAL . . . . .	-	-	-	16,160	
CONTINGENCY (5%) . . . . .	-	-	-	810	
TOTAL CONTRACT COST. . . . .	-	-	-	16,970	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	930	
TOTAL REQUEST. . . . .	-	-	-	17,900	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One and two-story steel frame building, pile foundation, reinforced concrete and masonry walls, concrete floors, single membrane roofing, high-bay areas, computer flooring, electromagnetic interference shielding, acoustic attenuation, monorail hoist, bridge crane, security system, fire protection system, air conditioning, ventilation, utilities.					
11. REQUIREMENT: 202,570 SF. ADEQUATE: 114,500 SF. SUBSTANDARD: 0 SF.					
PROJECT: Constructs operational and maintenance training facilities for new tactical aircraft. (New mission.)					
REQUIREMENT: Adequate and properly-configured training facilities to accommodate a new tactical aircraft mission. This is the first of three increments to support operational and maintenance trainers and associated training facilities including classrooms. Equipment delivery is scheduled for 1992.					
CURRENT SITUATION: Existing facilities are adequate to support presently assigned aircraft and mission. No facilities are currently available to support the new aircraft mission.					
IMPACT IF NOT PROVIDED: Facilities will not be available to support new tactical aircraft mission.					
(Continued on DD 1391c)					



1. COMPONENT  NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION  NAVAL AIR STATION, WHIDBEY ISLAND, WASHINGTON		
4. PROJECT TITLE  OPERATIONAL AND MAINTENANCE TRAINER FACILITY (INCREMENT I)	5. PROJECT NUMBER  P-899	
<p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <p style="margin-left: 20px;">(a) Date Design Started..... 12-88</p> <p style="margin-left: 20px;">(b) Percent Complete as of January 1990..... 60</p> <p style="margin-left: 20px;">(c) Date Design 35% Complete..... 7-89</p> <p style="margin-left: 20px;">(d) Date Design Complete..... 6-90</p> </div> <div style="margin-left: 80px;"> <p>(2) Basis:</p> <p style="margin-left: 20px;">(a) Standard or Definitive Design: Yes _____ No <u>X</u></p> <p style="margin-left: 20px;">(b) Where Design Was Most Recently Used: <u>N/A</u></p> </div> <div style="margin-left: 80px;"> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p style="margin-left: 20px;">(a) Production of Plans and Specifications..... ( 640 )</p> <p style="margin-left: 20px;">(b) All Other Design Costs..... ( 320 )</p> <p style="margin-left: 20px;">(c) Total..... 960</p> <p style="margin-left: 20px;">(d) Contract..... ( 930 )</p> <p style="margin-left: 20px;">(e) In-house..... ( 30 )</p> </div> <div style="margin-left: 80px;"> <p>(4) Construction start..... 1-91</p> <p style="margin-left: 100px;">(month and year)</p> </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION  NAVAL FACILITY, WHIDBEY ISLAND, WASHINGTON					4. COMMAND  COMMANDER IN CHIEF, PACIFIC FLEET		5. AREA CONSTR. COST INDEX  1.16			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	17	210	11	0	0	0	0	0	0	238
b. END FY 1994	19	188	11	0	0	0	0	0	0	218
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE . . . . . TENANT OF NAS										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 0										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 0										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 1,550										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0										
g. REMAINING DEFICIENCY . . . . . 900										
h. GRAND TOTAL . . . . . 2,450										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE			
819.20	ELECTRIC PWR IMPROVES				LS	1,550	10/88      09/89			
	TOTAL					1,550				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS: NONE										
10. MISSION OR MAJOR FUNCTIONS:										
To conduct oceanographic observations in selected areas in order to provide the U.S Navy with more extensive information on oceanographic conditions in those areas.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT . . . . . 0										
B: INSTALLATION RESTORATION . . . . . 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): . . . . . 0										

1. COMPONENT <b>NAVY</b>		FY 91 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL FACILITY, WHIDBEY ISLAND, WASHINGTON</b>			4. PROJECT TITLE <b>ELECTRIC POWER IMPROVEMENTS</b>		
5. PROGRAM ELEMENT <b>0205096N</b>	6. CATEGORY CODE <b>813.20</b>	7. PROJECT NUMBER <b>030</b>	8. PROJECT COST (\$000) <b>1,550</b>		
9. COST					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
ELECTRIC POWER IMPROVEMENTS. . . . .	LS	-	-	1,340	
ELECTRICAL SYSTEM UPGRADE. . . . .	LS	-	-	(1,110)	
BUILDING ADDITION. . . . .	SF	1,610	143.00	(230)	
SUPPORTING FACILITIES. . . . .	-	-	-	60	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	(60)	
SUBTOTAL . . . . .	-	-	-	1,400	
CONTINGENCY (5%) . . . . .	-	-	-	70	
TOTAL CONTRACT COST. . . . .	-	-	-	1,470	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	80	
TOTAL REQUEST. . . . .	-	-	-	1,550	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)		(0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One-story building addition, security hardened reinforced concrete walls, concrete floor, pile foundation, built-up roof, security and fire protection systems, 500 KVA electric power supply; upgrade generators, switching equipment, controls.					
11. REQUIREMENT: <u>As Required.</u>					
PROJECT: Provides additional technical power to process and analyze technical data. (Current mission.)					
REQUIREMENT: Project requirement classified. Additional data available upon request.					
CURRENT SITUATION: Present technical power capability will be exceeded with the installation of additional equipment.					
IMPACT IF NOT PROVIDED: Classified. Additional data available upon request.					
12. SUPPLEMENTAL DATA:					
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")					
(Continued on DD 1391c)					

1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
3. INSTALLATION AND LOCATION <b>NAVAL FACILITY, WHIDBEY ISLAND, WASHINGTON</b>		
4. PROJECT TITLE <b>ELECTRIC POWER IMPROVEMENTS</b>	5. PROJECT NUMBER <b>P-030</b>	

**12. SUPPLEMENTAL DATA: (Continued)**

(1) Status:

(a) Date Design Started.....	<u>10-88</u>
(b) Percent Complete as of January 1990.....	<u>100</u>
(c) Date Design 35% Complete.....	<u>3-89</u>
(d) Date Design Complete.....	<u>9-89</u>

(2) Basis:

(a) Standard or Definitive Design:	Yes _____ No <u>X</u>
(b) Where Design Was Most Recently Used:	<u>N/A</u>

(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)

(a) Production of Plans and Specifications.....	( <u>70</u> )
(b) All Other Design Costs.....	( <u>45</u> )
(c) Total.....	<u>115</u>
(d) Contract.....	( <u>95</u> )
(e) In-house.....	( <u>20</u> )

(4) Construction start..... 1-91  
(month and year)

b. Equipment associated with this project which will be provided from other appropriations: **None.**

1. COMPONENT <b>NAVY</b>		FY 1991 <b>MILITARY CONSTRUCTION PROGRAM</b>				2. DATE				
3. INSTALLATION AND LOCATION <b>NAVAL FACILITY ARGENTIA, NEWFOUNDLAND, CANADA</b>				4. COMMAND <b>COMMANDER IN CHIEF, ATLANTIC FLEET</b>		5. AREA CNSTR. COST INDEX <b>1.49</b>				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	30	384	233	0	0	0	0	0	0	617
b. END FY 1994	28	388	233	0	0	0	0	0	0	651

7. INVENTORY DATA (\$000)	
a. TOTAL ACREAGE	( 9.067 )
b. INVENTORY TOTAL AS OF 30 SEP 88	78,010
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	1,350
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	6,350
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	3,650
h. GRAND TOTAL	89,360

8. PROJECTS REQUESTED IN THIS PROGRAM:					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START    COMPLETE	
131.48	TERMINAL EQUIP BLDG ADDN TOTAL	5,150 SF	1,350 1,350	10/88	09/89

9. FUTURE PROJECTS:			
A. INCLUDED IN FOLLOWING PROGRAM			
740.53	FITNESS CENTER UPGRADE	16,700 SF	2,550
831.10	SEWERAGE SYSTEM	LS	2,900
841.09	POTABLE WATER TRMT FAC	LS	900
TOTAL			6,350
B. MAJOR PLANNED NEXT THREE YEARS: NONE			

10. MISSION OR MAJOR FUNCTIONS:	
Conduct oceanographic observation in selected areas to provide the Navy more extensive information on oceanographic conditions in these areas. Periodically handles changing needs and supports advanced electronics.	

11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)	
A: POLLUTION ABATEMENT	2,900
B: INSTALLATION RESTORATION	0
C: OCCUPATIONAL SAFETY AND HEALTH (OSH):	0

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL FACILITY ARGENTIA, NEWFOUNDLAND, CANADA</b>			4. PROJECT TITLE <b>TERMINAL EQUIPMENT BUILDING ADDITION</b>			
5. PROGRAM ELEMENT <b>0205096N</b>		6. CATEGORY CODE <b>131.45</b>	7. PROJECT NUMBER <b>P-123</b>		8. PROJECT COST (\$000) <b>1,350</b>	
<b>9. COST ESTIMATES</b>						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
TERMINAL EQUIPMENT BUILDING ADDITION . . . . .	SF	5,150	-	780		
BUILDING ADDITION. . . . .	SF	5,150	126.00	( 650)		
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 130)		
SUPPORTING FACILITIES. . . . .	-	-	-	440		
UTILITIES, PAVING AND SITE IMPROVEMENT . .	LS	-	-	( 440)		
SUBTOTAL . . . . .	-	-	-	1,220		
CONTINGENCY (5%) . . . . .	-	-	-	60		
TOTAL CONTRACT COST. . . . .	-	-	-	1,280		
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	70		
TOTAL REQUEST. . . . .	-	-	-	1,350		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-(NON-ADD)		(105,000)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>One-story steel-frame building addition, reinforced concrete spread footing foundation, concrete floor, engineered fill, insulated elastomeric membrane roof on metal deck, insulated metal panel walls, grounding, computer flooring, fire protection system, intrusion detection system, air conditioning, utilities.</p> <p><b>REQUIREMENT:</b> 52,800 SF. <b>ADEQUATE:</b> 47,650 SF. <b>SUBSTANDARD:</b> 0 SF.</p> <p><b>PROJECT:</b> Provides terminal equipment building addition to house additional equipment and functions. (Current mission.)</p> <p><b>REQUIREMENT:</b> Adequate additional space to accommodate mission critical equipment and functions. The mission of this activity is to collect oceanographic data. The need for additional technical equipment was identified in a recent Shore Construction and Hardware Installations Plan. This project will build an addition to the terminal equipment building to accommodate the technical equipment, reroute underground utilities, extend the patrol road and relocate perimeter lighting and a portion of the double perimeter security fence.</p> <p><b>CURRENT SITUATION:</b> The terminal equipment building houses the entire operational function of the facility. There is no space available to accommodate the additional equipment needed.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Installation of new additional technical equipment cannot be accomplished.</p>						
(Continued on DD 1391c)						

1. COMPONENT NAVY	2. DATE FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA									
3. INSTALLATION AND LOCATION NAVAL FACILITY ARGENTIA, NEWFOUNDLAND, CANADA										
4. PROJECT TITLE TERMINAL EQUIPMENT BUILDING ADDITION		5. PROJECT NUMBER P-123								
<p>11. REQUIREMENT: (Continued)  <b>ADDITIONAL:</b> A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding. NATO prefinancing is not applicable to this project because it is not in support of forces assigned to NATO.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <p>(a) Date Design Started..... 10-88</p> <p>(b) Percent Complete as of January 1990..... 100</p> <p>(c) Date Design 35% Complete..... 3-89</p> <p>(d) Date Design Complete..... 9-89</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes _____ No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( 75 )</p> <p>(b) All Other Design Costs..... ( 75 )</p> <p>(c) Total..... 150</p> <p>(d) Contract..... ( 110 )</p> <p>(e) In-house..... ( 40 )</p> <p>(4) Construction start..... 1-91 (month and year)</p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-left: 80px;"> <thead> <tr> <th style="text-align: left;">Equipment Nomenclature</th> <th style="text-align: left;">Procuring Appropriation</th> <th style="text-align: left;">Fiscal Year Appropriated or Requested</th> <th style="text-align: left;">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>Terminal Equipment</td> <td>OPN</td> <td>1990 - 1993</td> <td>105,000</td> </tr> </tbody> </table> </div>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	Terminal Equipment	OPN	1990 - 1993	105,000
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)							
Terminal Equipment	OPN	1990 - 1993	105,000							

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> <b>MILITARY CONSTRUCTION PROGRAM</b>						2. DATE			
3. INSTALLATION AND LOCATION <b>FLEET SURVEILLANCE SUPPORT COMMAND, GUAM</b>						4. COMMAND <b>CHIEF OF NAVAL OPERATIONS</b>		5. AREA CONSTR. COST INDEX <b>2.00</b>			
6. PERSONNEL STRENGTH:		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 9/30/88		37	174	30	0	0	0	2	3	1	247
b. FND FY 19 94		45	238	30	10	50	0	2	3	51	429
7. INVENTORY DATA (\$000)											
b. TOTAL ACREAGE <b>Tenant of NS</b>											
b. INVENTORY TOTAL AS OF 30 SEP 1988										0	
c. AUTHORIZATION NOT YET IN INVENTORY										20,970	
d. AUTHORIZATION REQUESTED IN THIS PROGRAM										30,000	
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM										0	
f. PLANNED IN NEXT THREE PROGRAM YEARS										0	
g. REMAINING DEFICIENCY										0	
h. GRAND TOTAL										50,970	
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS				
							START	COMPLETE			
134.70	Electronic Installation				LS	30,000	01/89	07/90			
	TOTAL					30,000					
9. <u>Future Projects:</u>											
a. Included in following program: None.											
b. Major planned next three years: None.											
10. <u>Mission or Major Functions:</u> Surveillance, early warning, and target identification. Effective management of air intercept capability.											
11. <u>Outstanding pollution and safety deficiencies:</u> (\$000)											
a. Pollution Abatement:										0	
b. Installation Restoration:										0	
c. Occupational safety and health (OSH):										0	



1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION FLEET SURVEILLANCE SUPPORT COMMAND, GUAM				4. PROJECT TITLE ELECTRONIC INSTALLATION		
5. PROGRAM ELEMENT  0204577N		6. CATEGORY CODE  134.70	7. PROJECT NUMBER  P-002		8. PROJECT COST (\$000)  30,000	
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	UNIT COST
ELECTRONIC INSTALLATION. . . . .				LS	-	22,010
TRANSMITTER SITE . . . . .				LS	-	( 1,500)
RECEIVER SITE. . . . .				LS	-	(14,200)
POWER PLANT AND SUPPORT FACILITIES . . . . .				LS	-	( 1,680)
OPERATIONAL CONTROL CENTER . . . . .				LS	-	( 800)
BUILT-IN EQUIPMENT . . . . .				LS	-	( 3,730)
TECHNICAL OPERATING MANUALS. . . . .				LS	-	( 100)
SUPPORTING FACILITIES. . . . .				-	-	5,080
UTILITIES. . . . .				LS	-	( 3,680)
PAVING AND SITE IMPROVEMENT. . . . .				LS	-	( 1,400)
SUBTOTAL . . . . .				-	-	27,090
CONTINGENCY (5%) . . . . .				-	-	1,350
TOTAL CONTRACT COST. . . . .				-	-	28,440
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .				-	-	1,560
TOTAL REQUEST. . . . .				-	-	30,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-	- (NON-ADD)	(90,000)
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
<p>Site preparation for Relocatable-Over-the-Horizon-Radar (ROTHR) System installation; reinforced concrete van pads, antenna footings and foundations, personnel support facilities, operations facility, power plant, roads, security fencing, utilities.</p>						
11. REQUIREMENT: As Required.						
<p><u>PROJECT</u>: Provides site preparation and support facilities at receiver (Guam) and transmitter (Tinian) sites, approximately 100 miles apart, for ROTHR systems installations. (New mission.)</p> <p><u>REQUIREMENT</u>: Adequate facilities to accommodate and support air defenses in the Pacific area by surveillance, early warning, target identification, and effective management of air intercept capability. To compensate for the vast size of the Pacific area and available resources, there is a requirement for long-range tactical surveillance and warning of a foreign country threat to supplement information available from intelligence sources, land-based air defense radars, and organic battle group assets.</p> <p><u>CURRENT SITUATION</u>: Classified, information available upon request.</p> <p><u>IMPACT IF NOT PROVIDED</u>: The new mission cannot be accomplished, since existing facilities do not have this capability.</p>						

(Continued on DD 1391c)

1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE																														
3. INSTALLATION AND LOCATION FLEET SURVEILLANCE SUPPORT COMMAND, GUAM																																
4. PROJECT TITLE ELECTRONIC INSTALLATION		5. PROJECT NUMBER P-002																														
<p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table style="width: 100%;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;">1-89</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;">50</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;">11-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;">7-90</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%;"> <tr> <td>(a) Standard or Definitive Design</td> <td style="text-align: right;">Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;"><u>N/A</u></td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">( 800 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">( 950 )</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;">1750</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">( 1600 )</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">( 150 )</td> </tr> </table> <p>(4) Construction start..... <span style="float: right;">3-91</span> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-top: 20px;"> <thead> <tr> <th style="text-align: left;"><u>Equipment Nomenclature</u></th> <th style="text-align: left;"><u>Procuring Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year Appropriated or Requested</u></th> <th style="text-align: left;"><u>Cost (\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Antenna and Operational Equipment</td> <td>OPN</td> <td>1991</td> <td>90,000</td> </tr> </tbody> </table>			(a) Date Design Started.....	1-89	(b) Percent Complete as of January 1990.....	50	(c) Date Design 35% Complete.....	11-89	(d) Date Design Complete.....	7-90	(a) Standard or Definitive Design	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( 800 )	(b) All Other Design Costs.....	( 950 )	(c) Total.....	1750	(d) Contract.....	( 1600 )	(e) In-house.....	( 150 )	<u>Equipment Nomenclature</u>	<u>Procuring Appropriation</u>	<u>Fiscal Year Appropriated or Requested</u>	<u>Cost (\$000)</u>	Antenna and Operational Equipment	OPN	1991	90,000
(a) Date Design Started.....	1-89																															
(b) Percent Complete as of January 1990.....	50																															
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Antenna and Operational Equipment	OPN	1991	90,000																													

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION NAVAL MAGAZINE, GUAM				4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET			5. AREA CONSTR. COST INDEX 2.03				
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		TOTAL	
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED		CIVILIAN
a. AS OF 09/30/88		13	118	83	0	0	0	0	0	0	211
b. END FY 1994		11	112	83	0	0	0	0	0	0	206
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 8,838)											
b. INVENTORY TOTAL AS OF 30 SEP 88 37.020											
c. AUTHORIZATION NOT YET IN INVENTORY 11.700											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 9.000											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 1.100											
f. PLANNED IN NEXT THREE PROGRAM YEARS 2.500											
g. REMAINING DEFICIENCY 35.720											
h. GRAND TOTAL 97.040											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE			SCOPE		COST (\$000)		DESIGN STATUS START COMPLETE		
421.72		TOMAHAWK SUPPORT COMPLEX			17,000 SF		9,000		11/88 01/90		
		TOTAL					9,000				
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
216.55		TOMAHAWK FACILITY			LS		1,100				
		TOTAL					1,100				
B. MAJOR PLANNED NEXT THREE YEARS:											
421.22		HIGH EXPLOSIVE MAGAZINE			17,960 SF		2,500				
10. MISSION OR MAJOR FUNCTIONS:											
Provide maintenance, repair, minor construction and other public works support, including transportation equipment, utilities, telephone, Navy housing, engineering services and shore facilities planning assistance for Naval forces in the Guam area. Also supports the U.S. Air Force, Government of Guam, Trust Territories of the Pacific Islands and other government and authorized agencies.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 20											
B: INSTALLATION RESTORATION 250											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL MAGAZINE, GUAM</b>				4. PROJECT TITLE <b>TOMAHAWK SUPPORT COMPLEX</b>		
5. PROGRAM ELEMENT <b>0204996N</b>		6. CATEGORY CODE <b>21.72</b>		7. PROJECT NUMBER <b>P-809</b>		8. PROJECT COST (\$000) <b>9,000</b>
<b>9. COST ESTIMATES</b>						
ITEM				U/M	QUANTITY	UNIT COST
TOMAHAWK SUPPORT COMPLEX . . . . .				SF	17,000	3,750
MISSILE MAGAZINE . . . . .				SF	9,000	310.00 (2,790)
LOADING DOCK . . . . .				LS	-	( 200)
INERT STOREHOUSE . . . . .				SF	8,000	95.00 ( 760)
SUPPORTING FACILITIES. . . . .				-	-	4,370
SPECIAL CONSTRUCTION FEATURES. . . . .				LS	-	(2,100)
UTILITIES. . . . .				LS	-	( 340)
PAVING AND SITE IMPROVEMENT. . . . .				LS	-	(1,930)
SUBTOTAL . . . . .				-	-	8,120
CONTINGENCY (5%) . . . . .				-	-	410
TOTAL CONTRACT COST. . . . .				-	-	8,530
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .				-	-	470
TOTAL REQUEST. . . . .				-	-	9,000
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS				-	- (NON-ADD)	( 0)
10. DESCRIPTION OF PROPOSED CONSTRUCTION One earth-covered reinforced concrete five-bay missile magazine, 16-foot wide doors, pile foundation, loading dock, lightning and grounding system, erosion control, access road, service area; one-story reinforced concrete inert storehouse, concrete foundation and floor; fire protection system, mechanical ventilation, utilities.						
11. REQUIREMENT: <u>17,000</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>0</u> SF. PROJECT: Provides inert storage facility and missile magazine storage to support TOMAHAWK Cruise Missiles. (New mission.) REQUIREMENT: Adequate storage facilities to accommodate the physical requirements of TOMAHAWK Cruise Missiles in a controlled security area. CURRENT SITUATION: There are no magazine facilities existing that can be modified and outfitted for stowing TOMAHAWK missiles. IMPACT IF NOT PROVIDED: Naval Magazine Guam cannot adequately support the TOMAHAWK Missile.						

(Continued on DD 1391c)

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL MAGAZINE, GUAM			
4. PROJECT TITLE		5. PROJECT NUMBER	
TOMAHAWK SUPPORT COMPLEX		P-809	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... 11-88			
(b) Percent Complete as of January 1990..... 100			
(c) Date Design 35% Complete..... 5-89			
(d) Date Design Complete..... 1-90			
(2) Basis:			
(a) Standard or Definitive Design: Yes No X			
(b) Where Design Was Most Recently Used: N/A			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( 240 )			
(b) All Other Design Costs..... ( 340 )			
(c) Total..... 580			
(d) Contract..... ( 480 )			
(e) In-house..... ( 100 )			
(4) Construction start..... 11-90			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION NAVAL SUPPLY DEPOT, GUAM				4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET			5. AREA CONSTR. COST INDEX 2.03			
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	16	54	462	0	0	0	0	0	0	532
b. END FY 1994	14	49	462	0	0	0	4	4	0	533
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 1,586)										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 51,960										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 13,760										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 2,900										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 6,800										
g. REMAINING DEFICIENCY . . . . . 8,700										
h. GRAND TOTAL . . . . . 84,120										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
872.10	SECURITY IMPROVEMENTS				LS	2,900	10/88 09/89			
	TOTAL					2,900				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS:										
610.20	DATA PROCESSING SER CTR				20,560 SF	6,800				
10. MISSION OR MAJOR FUNCTIONS:										
Procure, receive, store, issue, control and account for materials, supplies, and fuel for fleet units and shore activities in Guam.										
Ship Repair Facility Naval Station										
Public Works Center Naval Hospital										
Small commands and visiting ships Naval Magazine										
Anderson Air Force Base (limited support) Communications Station										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 1,000										
B: INSTALLATION RESTORATION 1,040										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL SUPPLY DEPOT, GUAM			4. PROJECT TITLE SECURITY IMPROVEMENTS		
5. PROGRAM ELEMENT  0204996N	6. CATEGORY CODE  872.10	7. PROJECT NUMBER  P-114	8. PROJECT COST (\$000)  2,900		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
SECURITY IMPROVEMENTS. . . . .	LS	-	-	2,620	
FENCING. . . . .	LF	61,000	29.00	(1,770)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 850)	
SUBTOTAL . . . . .	-	-	-	2,620	
CONTINGENCY (5%) . . . . .	-	-	-	130	
TOTAL CONTRACT COST. . . . .	-	-	-	2,750	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	150	
TOTAL REQUEST. . . . .	-	-	-	2,900	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	- (NON-ADD)		( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Eight-foot high chain link security fencing, vehicular and pedestrian gates, coral-surfaced inner perimeter road, outside fence clear zone.					
11. REQUIREMENT: <u>As Required.</u>					
PROJECT: Constructs perimeter fence and road at two supply depot fuel tank farms. (Current mission.)					
REQUIREMENT: Adequate security for petroleum facilities as the threat of terrorism moves closer to military installations. Some activities have encountered political activists and harassment from dedicated protestors.					
CURRENT SITUATION: Two supply depot fuel farms have no perimeter security fencing. Unauthorized access into these areas is relatively easy. The existing security patrol is not effective in securing the fuel tank farms from unauthorized entry.					
IMPACT IF NOT PROVIDED: Strong potential for sabotage. Vandalism of the fuel farms could seriously impair the activity's sustainability to support fleet readiness.					
(Continued on DD 1391c)					

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL SUPPLY DEPOT, GUAM			
4. PROJECT TITLE		5. PROJECT NUMBER	
SECURITY IMPROVEMENTS		P-114	
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... 10-88			
(b) Percent Complete as of January 1990..... 100			
(c) Date Design 35% Complete..... 3-89			
(d) Date Design Complete..... 9-89			
(2) Basis:			
(a) Standard or Definitive Design: Yes No <input checked="" type="checkbox"/> X			
(b) Where Design Was Most Recently Used: N/A			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( 145 )			
(b) All Other Design Costs..... ( 165 )			
(c) Total..... 310			
(d) Contract..... ( 300 )			
(e) In-house..... ( 10 )			
(4) Construction start..... 11-90			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			



1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE													
3. INSTALLATION AND LOCATION NAVAL AIR STATION, KEFLAVIK, ICELAND				4. COMMAND COMMANDER IN CHIEF, ATLANTIC FLEET		5. AREA CONSTR. COST INDEX 4.01														
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		TOTAL										
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED		CIVILIAN									
a. AS OF 09/30/88		301	2675	1175	0	0	0	167	401	0	4719									
b. END FY 1994		296	2579	1175	0	0	0	167	401	0	4618									
7. INVENTORY DATA (\$000)																				
a. TOTAL ACREAGE ( 23,340)																				
b. INVENTORY TOTAL AS OF 30 SEP 88 339,950																				
c. AUTHORIZATION NOT YET IN INVENTORY 77,660																				
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 1,030																				
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 5,100																				
f. PLANNED IN NEXT THREE PROGRAM YEARS 9,040																				
g. REMAINING DEFICIENCY 189,540																				
h. GRAND TOTAL 622,320																				
8. PROJECTS REQUESTED IN THIS PROGRAM:																				
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE															
411.20	FUEL FACILITIES	LS	1,030	09/87	09/88															
	TOTAL		1,030																	
9. FUTURE PROJECTS:																				
A. INCLUDED IN FOLLOWING PROGRAM																				
124.90	FUEL FACILITY (PH-7)	19,000 CM	5,100																	
	TOTAL		5,100																	
B. MAJOR PLANNED NEXT THREE YEARS:																				
211.07	MPA SQUAD OPERS FAC	7,350 SF	5,490																	
211.81	ENGINE TEST CELL	LS	1,050																	
411.20	FUEL FACS	LS	2,500																	
10. MISSION OR MAJOR FUNCTIONS:																				
Iceland's location astride the Greenland-Iceland-Norway gap affords Navy land-based, anti-submarine forces a forward operating airfield and support complex. This facility also supports USAF Airborne (AWACS) and fighter-interceptor units in the air defense mission. Communications facilities provide essential coverage for Naval units operating in the North Atlantic and Norwegian Sea. Wartime contingency roles for this base would include critical support to military airlift and air defense augmentation missions.																				
<table border="0"> <tr> <td>ASW (P-3) Patrol Squadron</td> <td>Commander, Iceland Defense Force</td> </tr> <tr> <td>Fighter Interceptor Squadron (F-15)</td> <td>Commander, Fleet Air Keflavik</td> </tr> <tr> <td>Security Group Activity</td> <td>Communications Station</td> </tr> <tr> <td>Airborne Warning and Control System</td> <td>Naval Facility</td> </tr> <tr> <td>(AWACS) Det (E-3A)</td> <td>Two Aircraft Control and Warning Sites</td> </tr> </table>											ASW (P-3) Patrol Squadron	Commander, Iceland Defense Force	Fighter Interceptor Squadron (F-15)	Commander, Fleet Air Keflavik	Security Group Activity	Communications Station	Airborne Warning and Control System	Naval Facility	(AWACS) Det (E-3A)	Two Aircraft Control and Warning Sites
ASW (P-3) Patrol Squadron	Commander, Iceland Defense Force																			
Fighter Interceptor Squadron (F-15)	Commander, Fleet Air Keflavik																			
Security Group Activity	Communications Station																			
Airborne Warning and Control System	Naval Facility																			
(AWACS) Det (E-3A)	Two Aircraft Control and Warning Sites																			
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)																				
A: POLLUTION ABATEMENT 26,400																				
B: INSTALLATION RESTORATION 0																				
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0																				

1. COMPONENT NAVY		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AIR STATION, KEFLAVIK, ICELAND			4. PROJECT TITLE FUEL FACILITIES		
5. PROGRAM ELEMENT 0204696N	6. CATEGORY CODE 411.20	7. PROJECT NUMBER P-463	8. PROJECT COST (\$000) 1,030		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
FUEL FACILITIES. . . . .	LS	-	-	27,730	
SUBTOTAL . . . . .	-	-	-	27,730	
LESS: NATO SHARE. . . . .	-	-	-	-26,800	
SUBTOTAL . . . . .	-	-	-	930	
CONTINGENCY (5%) . . . . .	-	-	-	50	
TOTAL CONTRACT COST. . . . .	-	-	-	980	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	50	
TOTAL REQUEST. . . . .	-	-	-	1,030	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Three semi-buried 660,000-gallon fuel storage tanks, pumps, controls, instrumentation, cathodic protection; splinter-proof reinforced concrete manifold building, filter separators, manifolds, instrumentation, emergency generator, controls, seven-day fuel storage tank; approximately 2.9 miles of 12-inch and 14-inch diameter piping, cathodic protection, eight-hydrants for refuel- defuel operations, double truck fill stand; support facilities; utilities.</p>					
11. REQUIREMENT: <u>As Required.</u>					
<p><b>PROJECT:</b> Provides three semi-buried fuel storage tanks, splinter-proof manifold and filter separator building, associated distribution piping, fueling hydrants, double truck fill-stand and support facilities. These alert refueling facilities are to serve tactical aircraft stationed at this station. Provides a portion of the main base fuel pipeline loop to permit receipt of the fuel at the ready fuel storage facility from the existing Keflavik fuel depot via the depot transfer pipeline. Storage and distribution facilities for forces assigned to NATO are being funded in conjunction with this project through the Infrastructure Program. (Current mission.)</p> <p><b>REQUIREMENT:</b> Adequate facilities to support US national and NATO plans for operations from the Keflavik airfield. A 45-day supply of fuel for contingency aviation and ground operations plus peacetime operating stocks, must be prepositioned in hardened semi-buried tanks. Total requirement of</p> <p>(Continued on DD 1391c)</p>					

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PREVIOUS EDITIONS MAY BE USED INTERNALLY  
UNTIL EXHAUSTED

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1. COMPONENT	2. DATE	
NAVY	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		
NAVAL AIR STATION, KEFLAVIK, ICELAND		
4. PROJECT TITLE	5. PROJECT NUMBER	
FUEL FACILITIES	P-463	
<p>11. REQUIREMENT: (Continued)</p> <p>1,170,000 barrels of fuel will be programmed in seven increments. Overall funding responsibility splits approximately 50/50 US national and NATO. This is the fifth increment and provides on-airfield distribution and dispensing facilities. Incrementing is necessary because of the scope of the overall project and the need to assign work to the Iceland Prime Contractor commensurate with its ability to put work in-place. A deep-water fuel reception pier and transfer system were approved in an earlier request and are required near the fuel farm to permit rapid re-supply of the tanks during a contingency.</p> <p><u>CURRENT SITUATION:</u> About half of the total program of eleven tanks, fuel pier, piping and ready issue tanks has been approved and construction is underway. NATO is an equal partner in the funding responsibility of the approved program. This project maintains the 50/50 funding split. Existing fuel storage facilities meet neither US national nor NATO requirements for 45-day, prepositioned storage. Existing on-base storage is capable of holding only one-third of the 45-day supply, with less than half of the tanks in secure, buried positions. Existing above-ground tanks are over 25 years old and the severe weather has deteriorated them. Extensive repairs were made in 1980 to prolong their usefulness until new tanks are built. Tanks provided in the first increment of this program are complete and in use. Remaining available fuel storage is located 60 miles away at Hvalfjordur in leased, above-ground tanks. To reach the station, fuel from leased tanks must be transported by small Icelandic coastal barges to the interim unloading pier in the Town of Keflavik. This method of resupply would not keep pace with demand in a contingency situation.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Fuel storage facilities in Iceland will be insufficient to meet US operating needs. Without this increment the ability to dispense fuel to the aircraft at the airfield will be severely hampered.</p> <p><u>ADDITIONAL:</u> Prefinancing under NATO procedures is not planned for this project. The fuel stored in these tanks will be dedicated to operating requirements of US national and NATO forces and to peacetime operating stocks. There will be no pre-financing associated with this project. NATO is contributing \$26.8 million to this project for support forces assigned to NATO in war time. A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alteration to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding.</p>		
(Continued on DD 1391c)		

1. COMPONENT		2. DATE
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA
3. INSTALLATION AND LOCATION		
NAVAL AIR STATION, KEFLAVIK, ICELAND		
4. PROJECT TITLE		5. PROJECT NUMBER
FUEL FACILITIES		P-463
12. SUPPLEMENTAL DATA:		
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")		
(1) Status:		
(a) Date Design Started..... <u>9-87</u>		
(b) Percent Complete as of January 1990..... <u>100</u>		
(c) Date Design 35% Complete..... <u>5-88</u>		
(d) Date Design Complete..... <u>9-88</u>		
(2) Basis:		
(a) Standard or Definitive Design: Yes <u>    </u> No <u>X</u>		
(b) Where Design Was Most Recently Used: <u>N/A</u>		
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)		
(a) Production of Plans and Specifications..... ( <u>65</u> )		
(b) All Other Design Costs..... ( <u>30</u> )		
(c) Total..... <u>95</u>		
(d) Contract..... ( <u>65</u> )		
(e) In-house..... ( <u>30</u> )		
(4) Construction start..... <u>1-91</u>		
(month and year)		
b. Equipment associated with this project which will be provided from other appropriations: None.		

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE				
3. INSTALLATION AND LOCATION  NAVAL COMMUNICATION STATION, KEFLAVIK, ICELAND				4. COMMAND  NAVAL TELECOMMUNI- CATIONS COMMAND		5. AREA CONSTR. COST INDEX  4.01				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	8	31	304	0	0	0	0	0	0	343
b. END FY 1994	8	31	304	0	0	0	0	0	0	343
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 0 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 0										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 0										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 4,370										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0										
g. REMAINING DEFICIENCY . . . . . 4,300										
h. GRAND TOTAL . . . . . 8,670										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
131.15	COMMUNICATION CENTER				16,000 SF	4,370	07/88	09/89		
	TOTAL					4,370				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS NONE										
10. MISSION OR MAJOR FUNCTIONS:										
To manage, operate, and maintain those facilities, systems, equipments, and devices necessary to provide requisite communications for the command, operational control, and administration of the Department of the Navy, to manage, operate, and maintain those facilities of the Defense Communications System as assigned.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL COMMUNICATIONS STATION, KEFLAVIK, ICELAND</b>			4. PROJECT TITLE <b>COMMUNICATION CENTER</b>		
5. PROGRAM ELEMENT <b>0303196N</b>		6. CATEGORY CODE <b>131.15</b>	7. PROJECT NUMBER <b>P-802</b>	8. PROJECT COST (\$000) <b>4,370</b>	
<b>9. COST ESTIMATES</b>					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
COMMUNICATION CENTER . . . . .	SF	16,000	562.00	8,990	
SUPPORTING FACILITIES. . . . .	-	-	-	1,300	
UTILITIES. . . . .	LS	-	-	( 370)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 930)	
SUBTOTAL . . . . .	-	-	-	10,290	
CONTINGENCY (5%) . . . . .	-	-	-	510	
TOTAL CONTRACT COST. . . . .	-	-	-	10,800	
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .	-	-	-	600	
SUBTOTAL. . . . .	-	-	-	11,400	
LESS: NATO SHARE. . . . .	-	-	-	-7,030	
TOTAL REQUEST. . . . .	-	-	-	4,370	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>					
Two-story reinforced concrete building, concrete foundation, semi-hardened, HEMP protected, temperature and humidity controlled environmental system, uninterrupted electric power source, emergency generators, utilities; includes space for message center, cryptographic equipment room, electronic equipment repair shops.					
<b>11. REQUIREMENT: 16,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.</b>					
<b>PROJECT:</b> Provides a communication center to house the operational functions of this station. (Current mission.)					
<b>REQUIREMENT:</b> Adequate facilities to accommodate continual communications support for the U.S. and NATO forces operating in the North Atlantic Ocean and the Norwegian Sea, as well as supporting the Defense Communication Systems and other missions assigned by higher authority. This project is crucial for supporting Iceland Defense Force Combined Operations Center and Iceland Air Defense System programs.					
<b>CURRENT SITUATION:</b> The present communication center is located adjacent to the aircraft parking apron, subjecting it to high noise levels, and making it vulnerable to attack or sabotage since the airfield is open to all private and commercial aircraft. Communication land lines, connecting all communication modes on the base, are exposed in unsecure manholes and vulnerable to sabotage. The building dates from 1954 and has neither the space nor configuration to support modern electronic equipment.					
(Continued on DD 1391c)					

1 COMPONENT		2 DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3 INSTALLATION AND LOCATION			
NAVAL COMMUNICATIONS STATION, KEFLAVIK, ICELAND			
4. PROJECT TITLE		5. PROJECT NUMBER	
COMMUNICATION CENTER		P-802	
<p>11. REQUIREMENT: (Continued)  <u>CURRENT SITUATION:</u> (Continued)  The building interior does not meet the fire protection code, nor does much of the electrical distribution system comply with the National Electric Code. The building's construction is inadequate with respect to physical security.  <u>IMPACT IF NOT PROVIDED:</u> The communication station's operational functions will remain in an unhardened building adjacent to the airfield, leaving on-base communications vulnerable to serious disruption. Equipment may experience continued physical deterioration for lack of proper environmental control. Inadequate physical and electronic security will continue to exist.  <u>ADDITIONAL:</u> Prefinancing under NATO procedures is not planned for this project. This facility will be jointly used by US national and NATO forces. NATO is contributing approximately \$7 million to this project for support of forces assigned to NATO in war time. A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding.</p>			
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... 7-88			
(b) Percent Complete as of January 1990..... 100			
(c) Date Design 35% Complete..... 1-89			
(d) Date Design Complete..... 9-89			
(2) Basis:			
(a) Standard or Definitive Design: Yes No X			
(b) Where Design Was Most Recently Used: N/A			
(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)			
(a) Production of Plans and Specifications..... ( 95 )			
(b) All Other Design Costs..... ( 185 )			
(c) Total..... 280			
(d) Contract..... ( 200 )			
(e) In-house..... ( 80 )			
(4) Construction start..... 1-91			
(month and year)			
b. Equipment associated with this project which will be provided from other appropriations: None.			

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION NAVAI COMMUNICATION STATION, SICILY, ITALY				4. COMMAND NAVAL TELECOMMUNI- CATIONS COMMAND		5. AREA CONSTR. COST INDEX 1.21				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	6	147	31	0	0	0	0	0	0	184
b. END FY 1994	6	147	31	0	0	0	0	0	0	184
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 0 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 0										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 0										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 1,750										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0										
g. REMAINING DEFICIENCY . . . . . 0										
h. GRAND TOTAL . . . . . 1,750										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS			
131.35	RECEIVER FACILITY				4,000 SF	1,750	10/88	09/89		
	TOTAL					1,750				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS: NONE										
10. MISSION OR MAJOR FUNCTIONS										
As an activity of the Navy Telecommunications System, to manage, operate, and maintain those facilities, systems, equipments, and devices necessary to provide requisite communications for the command, operational control, and administration of the Department of the Navy; to manage, operate, and maintain those facilities of the Defense Communications as assigned.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT . . . . . 0										
B: INSTALLATION RESTORATION . . . . . 0										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): . . . . . 0										



1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL COMMUNICATION STATION, SICILY, ITALY			4. PROJECT TITLE RECEIVER FACILITY		
5. PROGRAM ELEMENT 0303113N		6. CATEGORY CODE 131.35	7. PROJECT NUMBER P-305	8. PROJECT COST (\$000) 1,750	
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
RECEIVER FACILITY. . . . .	SF	4,000	-	590	
BUILDINGS. . . . .	SF	4,000	130.00	( 520)	
BUILT-IN EQUIPMENT. . . . .	LS	-	-	( 70)	
SUPPORTING FACILITIES. . . . .	LS	-	-	990	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 80)	
ELECTRICAL UTILITIES. . . . .	LS	-	-	( 360)	
MECHANICAL UTILITIES. . . . .	LS	-	-	( 270)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 280)	
SUBTOTAL. . . . .	-	-	-	1,580	
CONTINGENCY (5%). . . . .	-	-	-	80	
TOTAL CONTRACT COST. . . . .	-	-	-	1,660	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%). . . . .	-	-	-	90	
TOTAL REQUEST. . . . .	-	-	-	1,750	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One-story reinforced concrete building, concrete footings and floor, built-up roof, design seismic zone 4 criteria; mechanical and electrical utility building; antenna tower, antenna bases and cable trenches; utilities, fire protection system, air conditioning.					
11. REQUIREMENT: 4,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF.					
PROJECT: Relocates and expands the existing high-frequency receiver at a new site. (Current mission.)					
REQUIREMENT: A high-frequency (HF) receiver facility free of radio-frequency (RF) noise. Operational necessity increases the number of receivers from 33 to 70 for efficient mission accomplishment. New receiver equipment is scheduled for delivery in 1991.					
CURRENT SITUATION: The existing communication center is experiencing loss of efficiency because of RF noise generated by Naval Air Station facilities, and this condition is anticipated to worsen with the planned Mediterranean realignment of communication facilities. The existing site is planned for expansion of other communication needs.					
IMPACT IF NOT PROVIDED: NAVCOMMS. Sicily will not be able to fully accomplish its mission.					

(Continued on DD 1391c)

1. COMPONENT	<b>FY 1991 MILITARY CONSTRUCTION PROJECT DATA</b>	3. DATE																										
NAVY																												
3. INSTALLATION AND LOCATION																												
NAVAL COMMUNICATION STATION, SICILY, ITALY																												
4. PROJECT TITLE	5. PROJECT NUMBER																											
RECEIVER FACILITY	P-305																											
<p>11. REQUIREMENT: (Continued)</p> <p><b>ADDITIONAL:</b> A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding. Prefinancing under NATO procedures is not planned for this project since it is not within the established NATO Infrastructure criteria and standards for communication facilities for common funding, nor is it expected to become eligible.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(a) Date Design Started.....</td> <td style="text-align: right; border-bottom: 1px solid black;">10-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right; border-bottom: 1px solid black;">100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right; border-bottom: 1px solid black;">3-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right; border-bottom: 1px solid black;">9-89</td> </tr> </table> <p>(2) Basis:</p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 40%;">(a) Standard or Definitive Design:</td> <td style="width: 10%;">Yes</td> <td style="width: 10%;">No</td> <td style="width: 10%;">X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3" style="text-align: center; border-bottom: 1px solid black;">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 80%;">(a) Production of Plans and Specifications.....</td> <td style="text-align: right; border-bottom: 1px solid black;">100</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right; border-bottom: 1px solid black;">100</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right; border-bottom: 1px solid black;">200</td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right; border-bottom: 1px solid black;">160</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right; border-bottom: 1px solid black;">40</td> </tr> </table> <p>(4) Construction start..... <span style="float: right;">1-91</span></p> <p style="text-align: right; margin-right: 50px;">(month and year)</p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>			(a) Date Design Started.....	10-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	3-89	(d) Date Design Complete.....	9-89	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A			(a) Production of Plans and Specifications.....	100	(b) All Other Design Costs.....	100	(c) Total.....	200	(d) Contract.....	160	(e) In-house.....	40
(a) Date Design Started.....	10-88																											
(b) Percent Complete as of January 1990.....	100																											
(c) Date Design 35% Complete.....	3-89																											
(d) Date Design Complete.....	9-89																											
(a) Standard or Definitive Design:	Yes	No	X																									
(b) Where Design Was Most Recently Used:	N/A																											
(a) Production of Plans and Specifications.....	100																											
(b) All Other Design Costs.....	100																											
(c) Total.....	200																											
(d) Contract.....	160																											
(e) In-house.....	40																											

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION  NAVAL AIR STATION, SIGONELLA, ITALY				4. COMMAND  COMMANDER IN CHIEF, US NAVAL FORCES EUROPE			5. AREA CONSTR. COST INDEX  1.21				
6. PERSONNEL STRENGTH  a. AS OF 09/30/88 b. END FY 1994		PERMANENT			STUDENTS			SUPPORTED		TOTAL	
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED		CIVILIAN
		202	2116	550	0	0	0	170	1503		0
		245	2570	238	0	0	0	175	1517	0	4742
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 648)											
b. INVENTORY TOTAL AS OF 30 SEP 88 49,560											
c. AUTHORIZATION NOT YET IN INVENTORY 49,680											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 13,010											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0											
f. PLANNED IN NEXT THREE PROGRAM YEARS 38,700											
g. REMAINING DEFICIENCY 390											
h. GRAND TOTAL 151,340											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
143.65		OPERATIONAL CONTROL CTR				31,600 SF	5,650	01/89 05/90			
211.03		CORROSION CTRL HANGAR				20,000 SF	5,400	07/88 04/89			
211.21		ENGINE MAINT SHOP ADDN				14,370 SF	1,960	10/88 07/89			
		TOTAL					13,010				
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM NONE											
B. MAJOR PLANNED NEXT THREE YEARS:											
721.11		CONSTR BTSHP SPT FACS-IN I				128,700 SF	7,100				
721.11		BACHELOR ENLISTED QUARTERS				LS	8,800				
740.54		FLEET REC CENTER				LS	2,800				
851.10		ROADS UTILITIES				LS	20,000				
10. MISSION OR MAJOR FUNCTIONS:											
Navy's major mid-Mediterranean shore installation used for logistic support of the Sixth Fleet and as a base of operations for deployed, land-based ASW aircraft. Navy intra-theatre airlift squadron also assigned, with carrier on-board airlift mission. Support transient, carrier-based tactical aircraft as required. Presently supports Military Airlift Command (MAC) cargo flights and MAC passenger flights from the U.S. Provides air logistics interface with nearby Augusta Bay NATO fuel and ammunition replenishment pier and depot. Supports HC-4 helicopter combat squadron and LAMPS Mk III Helicopter Squadron.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 0											
B: INSTALLATION RESTORATION 0											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AIR STATION, SIGONELLA, ITALY			4. PROJECT TITLE CORROSION CONTROL HANGAR		
5. PROGRAM ELEMENT 0204696N	6. CATEGORY CODE 211.03	7. PROJECT NUMBER P-218	8. PROJECT COST (\$000) 5,400		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
CORROSION CONTROL HANGAR . . . . .	SF	16,000	-	3,730	
BUILDING . . . . .	SF	16,000	144.00	(2,310)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	(1,420)	
SUPPORTING FACILITIES . . . . .	-	-	-	1,150	
SPECIAL FOUNDATION FEATURES . . . . .	LS	-	-	( 290)	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 220)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 290)	
PAVING AND SITE IMPROVEMENT . . . . .	LS	-	-	( 350)	
SUBTOTAL . . . . .	-	-	-	4,880	
CONTINGENCY (5%) . . . . .	-	-	-	240	
TOTAL CONTRACT COST . . . . .	-	-	-	5,120	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%) . . . . .	-	-	-	280	
TOTAL REQUEST . . . . .	-	-	-	5,400	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS . . . . .	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION One-story steel frame and masonry building, concrete footings and floor, built-up roof, design for seismic zone 4 criteria, two high-bay areas, administrative area, support shops, compressed air system, industrial waste facilities; fire protection system, air conditioning, utilities.					
11. REQUIREMENT: 16,000 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF. PROJECT: Provides facilities to periodically perform aircraft corrosion control at the intermediate maintenance level. (Current mission.) REQUIREMENT: Adequate facility capable of maintaining a controlled environment for aircraft paint stripping and corrosion blast-cleaning. Reduce air pollution and provide work areas in compliance with paint stripping and corrosion blast-cleaning requirements of the Clean Air and Occupational Safety and Health regulations. All Navy carrier-based aircraft require protection from salt corrosion. Aircraft must be periodically stripped, corrosion blasted and cleaned, and finally repainted. It is necessary that work spaces have controlled temperature and humidity conditions in the stripping and blasting areas. Air velocities must be controlled to capture overspray of stripping liquids and excessive blasting dust. Dust and solvents must then be removed from the exhausted air. CURRENT SITUATION: Activity is located in the central Mediterranean, on the island of Sicily, where deployed Sixth Fleet Carrier aircraft are subjected to a heavily corrosive salt-air/water, volcanic (sulfur) particles, and sandy environment. There are no existing naval facilities (Continued on DD 1391c)					

1. COMPONENT	2. DATE	
NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		
NAVAL AIR STATION, SIGONELLA, ITALY		
4. PROJECT TITLE		5. PROJECT NUMBER
CORROSION CONTROL HANGAR		P-218
<p>11. REQUIREMENT: (Continued)</p> <p><u>CURRENT SITUATION:</u> (Continued)</p> <p>for corrosion control of naval aircraft in the entire European area. Sigonella accomplishes corrosion maintenance on more than 225 carrier air wing, maritime patrol, fleet logistic aircraft and helicopters operating in the Mediterranean. Fleet aircraft that need corrosion control painting, which cannot be deferred until the aircraft return to the U.S. must be accomplished in an open environment or in hangar spaces which do not meet ventilation, safety, and health standards for aircraft painting. While painting is in progress, other maintenance on aircraft requiring hangar space must be deferred, effecting fleet readiness.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Decrease in overall performance of aircraft, operational readiness, and mission capability. Aircraft will continue to be maintained in an area without adequate environmental controls, including operational hangars, exposing other aircraft and equipment to paint spray and other materials used in corrosion control.</p> <p><u>ADDITIONAL:</u> A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alteration to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding. Prefinancing under NATO procedures is not planned for this project as it is not within an established NATO infrastructure category for common funding, nor is it expected to become eligible.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <p>(a) Date Design Started..... 7-88</p> <p>(b) Percent Complete as of January 1990..... 100</p> <p>(c) Date Design 35% Complete..... 9-88</p> <p>(d) Date Design Complete..... 4-89</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes No X</p> <p>(b) Where Design Was Most Recently Used: N/A</p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( 300 )</p> <p>(b) All Other Design Costs..... ( 200 )</p> <p>(c) Total..... 500</p> <p>(d) Contract..... ( 400 )</p> <p>(e) In-house..... ( 100 )</p> <p>(4) Construction start..... 1-91</p> <p>(month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL AIR STATION, SIGONELLA, ITALY</b>			4. PROJECT TITLE <b>ENGINE MAINTENANCE SHOP ADDITION</b>		
5. PROGRAM ELEMENT <b>0204696N</b>	6. CATEGORY CODE <b>211.21</b>	7. PROJECT NUMBER <b>P-220</b>	8. PROJECT COST (\$000) <b>1,960</b>		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
ENGINE MAINTENANCE SHOP ADDITION . . . . .	SF	14,370	-	1,040	
BUILDING . . . . .	SF	14,370	61.00	( 880)	
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 160)	
SUPPORTING FACILITIES. . . . .	-	-	-	730	
SPECIAL CONSTRUCTION FEATURES. . . . .	LS	-	-	( 300)	
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 160)	
MECHANICAL UTILITIES . . . . .	LS	-	-	( 120)	
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 150)	
SUBTOTAL . . . . .	-	-	-	1,770	
CONTINGENCY (5%) . . . . .	-	-	-	90	
TOTAL CONTRACT COST. . . . .	-	-	-	1,860	
SUPERVISION, INSPECTION AND OVERHEAD (5.5%). . . . .	-	-	-	100	
TOTAL REQUEST. . . . .	-	-	-	1,960	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One-story steel frame and masonry building addition, concrete foundation on engineered fill, concrete floor, built-up roof; bridge crane and hoists, fire protection and air conditioning systems, utilities.					
11. REQUIREMENT: 30,510 SF. ADEQUATE: 16,140 SF. SUBSTANDARD: 0 SF.					
PROJECT: Constructs an addition to the engine maintenance shop. (Current mission.)					
REQUIREMENT: Adequate and properly-configured facilities for organizational and intermediate maintenance activity (IMA) level upkeep of aircraft assigned, deployed to, or temporarily shore-based at this central Mediterranean operating and logistics base. Aircraft include ASW patrol (P-3, SH-2, SH-3), early warning (E-2), fleet logistics support (T-39, C-2A, C-130), vertical-on-board delivery (CH-53 VOD, CH-46 VOD), and LAMPS helicopters (SH-60).					
CURRENT SITUATION: The engine maintenance shop workload is increasing because of additional aircraft loading occurring as a result of the construction of an additional aircraft maintenance hangar. The engine maintenance shop facilities were only one-half of the requirement projected prior to 1987. Since its original conception, an additional requirement for LAMPS MK III engine maintenance was approved in 1986 as an exigent minor project. Today's workload has necessitated maintenance functions be performed in a more crowded condition, causing mission support problems. Engines are now being packed and unpacked in outdoor fire lane areas. Because of a lack of adequate storage area, equipment is stored outdoors.					
(Continued on DD 1391c)					

1. COMPONENT		2. DATE																											
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA																											
3. INSTALLATION AND LOCATION																													
NAVAL AIR STATION, SIGONELLA, ITALY																													
4. PROJECT TITLE		5. PROJECT NUMBER																											
ENGINE MAINTENANCE SHOP ADDITION		P-220																											
<p>11. REQUIREMENT: (Continued)</p> <p><b>IMPACT IF NOT PROVIDED:</b> Maintenance of the more sophisticated aircraft and aircraft systems will continue to be hampered by cramped facilities. Inability of engine maintenance shop to improve efficiency and maintain readiness of Sixth Fleet and shore-based aircraft because of facility deficiencies.</p> <p><b>ADDITIONAL:</b> Prefinancing under NATO procedures is not planned for this project, as it exceeds in its entirety the scope as described in the approved NATO criteria and standards for the applicable facility and seeking deviation from NATO criteria is not justified. A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alteration to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started.....</td> <td>10-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>3-89</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>9-89</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes</td> <td>No</td> <td>X</td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td colspan="3">N/A</td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>( 110 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>( 90 )</td> </tr> <tr> <td>(c) Total.....</td> <td>200</td> </tr> <tr> <td>(d) Contract.....</td> <td>( 170 )</td> </tr> <tr> <td>(e) In-house.....</td> <td>( 30 )</td> </tr> </table> <p>(4) Construction start..... 1-91 (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>				(a) Date Design Started.....	10-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	3-89	(d) Date Design Complete.....	9-89	(a) Standard or Definitive Design:	Yes	No	X	(b) Where Design Was Most Recently Used:	N/A			(a) Production of Plans and Specifications.....	( 110 )	(b) All Other Design Costs.....	( 90 )	(c) Total.....	200	(d) Contract.....	( 170 )	(e) In-house.....	( 30 )
(a) Date Design Started.....	10-88																												
(b) Percent Complete as of January 1990.....	100																												
(c) Date Design 35% Complete.....	3-89																												
(d) Date Design Complete.....	9-89																												
(a) Standard or Definitive Design:	Yes	No	X																										
(b) Where Design Was Most Recently Used:	N/A																												
(a) Production of Plans and Specifications.....	( 110 )																												
(b) All Other Design Costs.....	( 90 )																												
(c) Total.....	200																												
(d) Contract.....	( 170 )																												
(e) In-house.....	( 30 )																												

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AIR STATION, SIGONELLA, ITALY			4. PROJECT TITLE OPERATIONS CONTROL CENTER		
5. PROGRAM ELEMENT 0204696N	6. CATEGORY CODE 143.65	7. PROJECT NUMBER P-144	8. PROJECT COST (\$000) 5,650		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
OPERATIONS CONTROL CENTER . . . . .	SF	31,600	193.00	6,110	
SUPPORTING FACILITIES . . . . .	-	-	-	690	
SPECIAL CONSTRUCTION FEATURES . . . . .	LS	-	-	( 60)	
UTILITIES . . . . .	LS	-	-	( 280)	
PAVING AND SITE IMPROVEMENT, DEMOLITION . . . . .	LS	-	-	( 350)	
US PART OF SIOH FOR NATO PORTION (3%) . . . . .	-	-	-	50	
SUBTOTAL . . . . .	-	-	-	6,850	
LESS: NATO PORTION . . . . .	-	-	-	-1,750	
SUBTOTAL . . . . .	-	-	-	5,100	
CONTINGENCY (5%) . . . . .	-	-	-	260	
TOTAL CONTRACT COST . . . . .	-	-	-	5,360	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	290	
TOTAL REQUEST . . . . .	-	-	-	5,650	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS . . . . .	-	-	(NON-ADD)	(9,170)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Two-story reinforced concrete and masonry building, concrete floors and foundation, TEMPEST shielding, computer flooring, design for seismic criteria Zone 4; semi-hardened decontamination module; security fencing, floodlights, remote monitoring of exterior doors; sprinkler system, ventilation and air conditioning, utilities; communications and telephone conduits; demolition of four buildings.					
11. REQUIREMENT: <u>31,600</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>0</u> SF.					
PROJECT: Provides hardened facilities for the operations control (OPCON) center including a decontamination module for nuclear, biological and chemical (NBC) warfare. (Current mission.)					
REQUIREMENT: Adequate, hardened OPCON center to include an anti-submarine warfare operations center (ASWOC), command and control center (CCC), meteorological and oceanographic compartment, Maritime Air Control Authority (MACA), NATO squad operations, and support facilities including a nuclear, biological and chemical (NBC) decontamination module, all in support of expanding intelligence tasks. Hardening is required to increase uninterrupted operations of key functions in the event of hostilities in the Mediterranean theatre to sustain the communications, intelligence processing and analysis in support of Sixth Fleet operations.					
CURRENT SITUATION: The principal OPCON functions are inadequate because they are undersized and not located in proximity to each other causing inefficient operations. The CCC however, has been hardened but other essential facilities have not. NBC protection is non-existent for any					
(Continued on DD 1391c)					



1. COMPONENT		2. DATE	
NAVY		FY 1991 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AIR STATION, SIGONELLA, ITALY			
4. PROJECT TITLE		5. PROJECT NUMBER	
OPERATIONS CONTROL CENTER		P-144	
<p>11. REQUIREMENT: (Continued)  <u>CURRENT SITUATION:</u> (Continued)  current facility. The existing ASWOC van complex is inadequate in size and design to meet current and projected workloads, and cannot accommodate equipment scheduled to arrive in 1993. Security of existing facilities is unsatisfactory and structural integrity of these structures is deteriorating.  <u>IMPACT IF NOT PROVIDED:</u> Inability to provide secure and hardened facilities for ASW, intelligence, and communications functions to remain operational during a hostile contingency in support of Sixth Fleet operations. Present and future OPCON missions will be downgraded. Essential OPCON equipment cannot be installed for expanded operations to sustain communications and intelligence analysis and processing of data from fleet missions in the Mediterranean.  <u>ADDITIONAL:</u> Conjunctive funding under NATO procedures is planned for this project, requiring partial US unilateral authorization and funding for US requirements only, that are not within an established NATO infrastructure category for common funding. The project is partially eligible for NATO infrastructure common funding and to that extent, has been programmed in Slice (SL) 41 (FY90) for infrastructure funding. NATO criteria precludes inclusion of a complete project in infrastructure. A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding.</p>			
12. SUPPLEMENTAL DATA:			
a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")			
(1) Status:			
(a) Date Design Started..... 1-89			
(b) Percent Complete as of January 1990..... 75			
(c) Date Design 35% Complete..... 8-89			
(d) Date Design Complete..... 5-90			
(2) Basis:			
(a) Standard or Definitive Design: Yes No X			
(b) Where Design Was Most Recently Used: N/A			
(Continued on DD 1391c)			

1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE																
3. INSTALLATION AND LOCATION <b>NAVAL AIR STATION, SIGONELLA, ITALY</b>																		
4. PROJECT TITLE <b>OPERATIONS CONTROL CENTER</b>	5. PROJECT NUMBER <b>P-144</b>																	
12. SUPPLEMENTAL DATA: (Continued)																		
<p>(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <p style="margin-left: 40px;">(a) Production of Plans and Specifications..... ( <u>330</u> )</p> <p style="margin-left: 40px;">(b) All Other Design Costs..... ( <u>170</u> )</p> <p style="margin-left: 40px;">(c) Total..... <u>500</u></p> <p style="margin-left: 40px;">(d) Contract..... ( <u>430</u> )</p> <p style="margin-left: 40px;">(e) In-house..... ( <u>70</u> )</p> <p style="margin-left: 40px;">(4) Construction start..... <u>1-91</u> <span style="margin-left: 100px;">(month and year)</span></p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="width: 100%; margin-top: 10px;"> <thead> <tr> <th style="text-align: left;">Equipment Nomenclature</th> <th style="text-align: left;">Procuring Appropriation</th> <th style="text-align: left;">Fiscal Year Appropriated or Requested</th> <th style="text-align: left;">Cost (\$000)</th> </tr> </thead> <tbody> <tr> <td>ASWOC/ASCOM Equipment</td> <td>OPN</td> <td>1992</td> <td>7,670</td> </tr> <tr> <td>Meteorological/ Oceanographic Equipment</td> <td>OPN</td> <td>1991</td> <td>1,500</td> </tr> <tr> <td colspan="3" style="text-align: right;">TOTAL</td> <td><u>9,170</u></td> </tr> </tbody> </table>			Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)	ASWOC/ASCOM Equipment	OPN	1992	7,670	Meteorological/ Oceanographic Equipment	OPN	1991	1,500	TOTAL			<u>9,170</u>
Equipment Nomenclature	Procuring Appropriation	Fiscal Year Appropriated or Requested	Cost (\$000)															
ASWOC/ASCOM Equipment	OPN	1992	7,670															
Meteorological/ Oceanographic Equipment	OPN	1991	1,500															
TOTAL			<u>9,170</u>															

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION NAVAL SECURITY GROUP ACTIVITY MANZA, OKINAWA, JAPAN				4. COMMAND NAVAL SECURITY GROUP COMMAND		5. AREA CONSTR. COST INDEX 1.99					
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		TOTAL	
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED		CIVILIAN
A. AS OF 08/30/88		10	274	34	0	0	0	0	0	0	318
D. END FY 1994		10	288	34	0	0	0	0	0	0	332
7. INVENTORY DATA (\$000)											
A. TOTAL ACREAGE ( 0 )											
B. INVENTORY TOTAL AS OF 30 SEP 88 4,590											
C. AUTHORIZATION NOT YET IN INVENTORY 0											
D. AUTHORIZATION REQUESTED IN THIS PROGRAM 1,000											
E. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0											
F. PLANNED IN NEXT THREE PROGRAM YEARS 0											
G. REMAINING DEFICIENCY 0											
H. GRAND TOTAL 5,590											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE				
643.10	FIRE PROTECTION SYSTEM				LS	1,000	05/88	08/89			
	TOTAL					1,000					
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM NONE											
B. MAJOR PLANNED NEXT THREE YEARS: NONE											
10. MISSION OR MAJOR FUNCTIONS: To provide regional communications for the defense of the U.S. and the free world.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A. POLLUTION ABATEMENT 0											
B. INSTALLATION RESTORATION 0											
C. OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT NAVY						2. DATE FY 1991 MILITARY CONSTRUCTION PROGRAM					
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, IWAKUNI, JAPAN						4. COMMAND COMMANDANT OF THE MARINE CORPS			5. AREA CONSTR. COST INDEX 1.89		
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL	
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN		
a. AS OF 08/30/88	53	426	888	0	0	0	257	2834	0	4528	
d. END FY 1994	64	803	870	0	0	0	332	3241	551	5561	
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 6.571)											
b. INVENTORY TOTAL AS OF 30 SEP 88 50.990											
c. AUTHORIZATION NOT YET IN INVENTORY 3.190											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 5.910											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 4.630											
f. PLANNED IN NEXT THREE PROGRAM YEARS 32.730											
g. REMAINING DEFICIENCY 78.650											
h. GRAND TOTAL 176.100											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE		SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE						
143.20	WEAPONS ASSEMBLY AREA		LS	2.820	05/88 08/89						
441.12	HANGAR CONVERSION		23,450 SF	2.090	05/88 08/89						
	TOTAL			5.910							
9. FUTURE PROJECTS:											
a. INCLUDED IN FOLLOWING PROGRAM											
116.35	ARMING & DEARMING PAD		30,550 SY	4.630	04/87 08/88						
	TOTAL			4.630							
b. MAJOR PLANNED NEXT THREE YEARS:											
113.20	AIRCRAFT PARKING APRON		112,000 SY	12.760							
211.05	FIRE PROT AC HANGAR SHP		LS	3.150							
441.10	FIRE PROT WAREHOUSE		140,950 SF	4.750							
111.10	WIDEN RUNWAY		5	4.140							
10. MISSION OR MAJOR FUNCTIONS:											
Maintain and operate facilities and provide services and materials to support operations of a Marine Aircraft Wing, or units thereof, and other activities and units as designated by the Commandant of the Marine Corps in coordination with the Chief of Naval Operations											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
a. POLLUTION ABATEMENT 0											
b. INSTALLATION RESTORATION 0											
c. OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT <b>NAVY</b>		2. DATE			<b>FY 19 91 MILITARY CONSTRUCTION PROJECT DATA</b>	
3. INSTALLATION AND LOCATION <b>MARINE CORPS AIR STATION, Iwakuni, Japan</b>				4. PROJECT TITLE <b>HANGAR CONVERSION</b>		
5. PROGRAM ELEMENT <b>0206496M</b>		6. CATEGORY CODE <b>211.06</b>		7. PROJECT NUMBER <b>P-809</b>		8. PROJECT COST (\$000) <b>3.090</b>
<b>9. COST ESTIMATES</b>						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
HANGAR CONVERSION. . . . .	SF	23,450	-	1,200		
BUILDING CONVERSION AND RENOVATION . . . .	SF	23,450	51.00	(1,200)		
SUPPORTING FACILITIES. . . . .	-	-	-	1,590		
ELECTRICAL UTILITIES . . . . .	LS	-	-	( 450)		
MECHANICAL UTILITIES . . . . .	LS	-	-	( 720)		
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 420)		
SUBTOTAL . . . . .	-	-	-	2,790		
CONTINGENCY (5%) . . . . .	-	-	-	140		
TOTAL CONTRACT COST. . . . .	-	-	-	2,930		
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	160		
TOTAL REQUEST. . . . .	-	-	-	3,090		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Convert building back to designed use of aircraft maintenance hangar, administrative offices, mechanical room, compressed air system, floor drainage system, ventilation, utilities.						
11. REQUIREMENT: 23,450 SF. ADEQUATE: 0 SF. SUBSTANDARD: 0 SF. PROJECT: Converts and renovates hangar currently being used as a warehouse back to a maintenance hangar. (Current mission.) REQUIREMENT: Adequate hangar space to support additional aircraft being assigned to this activity. CURRENT SITUATION: This activity has a shortage of hangar space. Prior to the assignment of additional high-tech AV-8 aircraft, the lack of storage space was more critical, so a hangar was used to meet this need. With the assignment of newer and more AV-8 aircraft, this hangar must now be renovated to convert it back to accommodate aircraft maintenance. The cost of a new hangar would greatly exceed the cost of this project. IMPACT IF NOT PROVIDED: Scheduled and unscheduled organizational maintenance on assigned aircraft cannot be accomplished, severely affecting the operational readiness and deployability of the squadrons assigned to Marine Air Group-12.						
(Continued on DD 1391c)						

1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS AIR STATION, IWAKUNI, JAPAN		
4. PROJECT TITLE HANGAR CONVERSION	5. PROJECT NUMBER P-809	
<p>11. REQUIREMENT: (Continued)</p> <p><b>ADDITIONAL:</b> A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for Japanese Facility Improvement Program (JFIP) funding.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 40px;"> <p>(1) Status:</p> <p style="margin-left: 20px;">(a) Date Design Started..... 5-88</p> <p style="margin-left: 20px;">(b) Percent Complete as of January 1990..... 100</p> <p style="margin-left: 20px;">(c) Date Design 35% Complete..... 10-88</p> <p style="margin-left: 20px;">(d) Date Design Complete..... 8-89</p> </div> <div style="margin-left: 40px;"> <p>(2) Basis:</p> <p style="margin-left: 20px;">(a) Standard or Definitive Design: Yes _____ No <u>X</u></p> <p style="margin-left: 20px;">(b) Where Design Was Most Recently Used: <u>N/A</u></p> </div> <div style="margin-left: 40px;"> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p style="margin-left: 20px;">(a) Production of Plans and Specifications..... ( 225 )</p> <p style="margin-left: 20px;">(b) All Other Design Costs..... ( 225 )</p> <p style="margin-left: 20px;">(c) Total..... 450</p> <p style="margin-left: 20px;">(d) Contract..... ( 365 )</p> <p style="margin-left: 20px;">(e) In-house..... ( 85 )</p> </div> <div style="margin-left: 40px;"> <p>(4) Construction start..... 5-91</p> <p style="margin-left: 40px;">(month and year)</p> </div> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p>		

1. COMPONENT <b>NAVY</b>		FY 19.21 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>MARINE CORPS AIR STATION, IWAKUNI, JAPAN</b>				4. PROJECT TITLE <b>WEAPONS ASSEMBLY AREA</b>		
5. PROGRAM ELEMENT <b>0206496M</b>		6. CATEGORY CODE <b>143.20</b>	7. PROJECT NUMBER <b>P-840</b>	8. PROJECT COST (\$000) <b>2,820</b>		
9. COST ESTIMATES						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
WEAPONS ASSEMBLY AREA. . . . .	LS	-	-	1,030		
WEAPONS ASSEMBLY BUILDING. . . . .	SF	930	118.00	( 110)		
READY STORAGE BUILDINGS. . . . .	SF	5,740	16.00	( 90)		
BARRICADES . . . . .	CY	27,470	30.00	( 830)		
SUPPORTING FACILITIES. . . . .	LS	-	-	1,510		
UTILITIES. . . . .	LS	-	-	( 310)		
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	(1,200)		
SUBTOTAL . . . . .	-	-	-	2,540		
CONTINGENCY (5%) . . . . .	-	-	-	130		
TOTAL CONTRACT COST. . . . .	-	-	-	2,670		
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	150		
TOTAL REQUEST. . . . .	-	-	-	2,820		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
One-story steel frame and masonry building; four ready storage buildings earthen berm barricaded; concrete foundations and floors, built-up roofs, engineered fill, retaining wall; monorail and hoist system, compressed air system, utilities.						
11. REQUIREMENT: <u>As Required.</u>						
PROJECT: Provides a weapons assembly and ordnance ready-storage facility. (New mission.)						
REQUIREMENT: Adequate facilities to support ordnance build-up and ready-storage areas to accommodate two Marine Aircraft Groups (MAGs).						
CURRENT SITUATION: Existing ordnance assembly area operates under an explosive safety waiver and has the capacity to support only a single MAG vice the two MAGs now assigned to Iwakuni. The existing facility needs to be relocated to make room for another ordnance related project. After completion of this and a follow-on ordnance project, all explosive arcs from ordnance operations will be contained within non-populated areas.						
IMPACT IF NOT PROVIDED: This activity will be unable to support the operational needs of the two MAGs assigned. Populated areas will remain within explosive safety arcs, thus exposing people to unnecessary danger and possible injury in the event of an ordnance mishap.						
(Continued on DD 1391c)						

1. COMPONENT	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
NAVY		
3. INSTALLATION AND LOCATION		
MARINE CORPS AIR STATION, INAKUNI, JAPAN		
4. PROJECT TITLE		5. PROJECT NUMBER
WEAPONS ASSEMBLY AREA		P-840
<p>11. REQUIREMENT: (Continued)</p> <p><u>ADDITIONAL:</u> A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for Japanese Facility Improvement Program (JFIP) funding.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <p>(a) Date Design Started..... 5-88</p> <p>(b) Percent Complete as of January 1990..... 100</p> <p>(c) Date Design 35% Complete..... 10-88</p> <p>(d) Date Design Complete..... 8-89</p> <p>(2) Basis:</p> <p>(a) Standard or Definitive Design: Yes _____ No <u>X</u></p> <p>(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p>(a) Production of Plans and Specifications..... ( 80 )</p> <p>(b) All Other Design Costs..... ( 140 )</p> <p>(c) Total..... 220</p> <p>(d) Contract..... ( 150 )</p> <p>(e) In-house..... ( 70 )</p> <p>(4) Construction start..... 6-91</p> <p style="margin-left: 100px;">(month and year)</p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>		



1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION NAVAL MAGAZINE, SUBIC BAY, PHILIPPINES				4. COMMAND COMMANDER IN CHIEF, PACIFIC FLEET		5. AREA CONSTR. COST INDEX 1.23					
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		TOTAL	
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED		CIVILIAN
a. AS OF 09/30/88		25	154	230	0	0	0	0	0	0	409
b. END FY 1994		28	184	230	0	0	0	0	0	0	442
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 0 )											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 23,690											
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 0											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 1,900											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 7,300											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 21,700											
g. REMAINING DEFICIENCY . . . . . 19,200											
h. GRAND TOTAL . . . . . 73,790											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE				
216.10	AMMO SEGREGATION FACILITY				14,500 SF	1,900	10/88	01/90			
	TOTAL					1,900					
9. FUTURE PROJECTS:											
A. INCLUDED IN FOLLOWING PROGRAM											
143.20	ORDNANCE OPERATIONS BLDG				36,160 SF	4,300					
229.60	GUIDED MSL INTEGRATION FAC				25,590 SF	3,000					
	TOTAL					7,300					
B. MAJOR PLANNED NEXT THREE YEARS:											
152.70	ORD CONTAINER HDLG WHARF				LS	11,000					
212.10	GUIDED MISSILE INTEG FAC				37,260 SF	6,000					
216.10	AMMO REWRK & OVHL SHOPS				35,500 SF	4,700					
10. MISSION OR MAJOR FUNCTIONS:											
Receive, maintain, rework, sort, and issue ammunitions and ordnance for military forces in the area.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 0											
B: INSTALLATION RESTORATION 0											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL MAGAZINE, SUBIC BAY, REPUBLIC OF THE PHILIPPINES			4. PROJECT TITLE AMMUNITION SEGREGATION FACILITY		
5. PROGRAM ELEMENT 0204996N	6. CATEGORY CODE 216.10	7. PROJECT NUMBER P-405	8. PROJECT COST (\$000) 1,900		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
AMMUNITION SEGREGATION FACILITY . . . . .	SF	14,500	48.00	700	
SUPPORTING FACILITIES . . . . .	-	-	-	1,010	
UTILITIES . . . . .	LS	-	-	( 300)	
PAVING AND SITE IMPROVEMENT . . . . .	LS	-	-	( 710)	
SUBTOTAL . . . . .	-	-	-	1,710	
CONTINGENCY (5%) . . . . .	-	-	-	90	
TOTAL CONTRACT COST. . . . .	-	-	-	1,800	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	100	
TOTAL REQUEST. . . . .	-	-	-	1,900	
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
One-story steel frame building, concrete foundation and floor, open sides, built-up roof, masonry partitions, explosion-proof fixtures, sprinkler and fire alarm systems, grounding and lightning protection, utilities.					
11. REQUIREMENT: <u>14,500</u> SF. ADEQUATE: <u>0</u> SF. SUBSTANDARD: <u>10,400</u> SF. PROJECT: Provides an ammunition segregation facility outside the explosive safety quantity distance (ESQD) arcs. (Current mission.) REQUIREMENT: Adequate facilities to support inspection of all ammunition and explosives to insure that they are stored in the appropriate magazine based on type of explosive or sent to repair shops. Segregation is a major process in maintaining munition logistical support to the Fleet. All incoming explosives are brought to a segregation area. A suitably-sited segregation facility is necessary to segregate incoming munitions of various explosive hazard classification to comply with storage and handling safety requirements. Explosives are removed from combatants before they are sent to repair piers and from other ships with explosive cargo destined for Subic Bay. Explosives are inspected and sent to storage or to repair and rework shops so that damaged, over-aged, or uncertified explosives are not returned to ships. CURRENT SITUATION: The existing ammunition segregation facility operates under an explosive safety waiver, as it is within the explosive safety quantity distance arcs from both ammunition wharves. Explosives segregation is performed in deteriorated facilities that are structurally unsafe. (Continued on DD 1391c)					

1. COMPONENT <b>NAVY</b>	<b>FY 19<sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE
3. INSTALLATION AND LOCATION <b>NAVAL MAGAZINE, SUBIC BAY, REPUBLIC OF THE PHILIPPINES</b>		
4. PROJECT TITLE <b>AMMUNITION SEGREGATION FACILITY</b>	5. PROJECT NUMBER <b>P-405</b>	
<p>11. REQUIREMENT: (Continued)  <b>IMPACT IF NOT PROVIDED:</b> Continued segregation of munitions in a facility operating under an explosive safety waiver.  <b>ADDITIONAL:</b> A bilateral agreement between the U.S. and host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S.</p> <p>12. SUPPLEMENTAL DATA:</p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <div style="margin-left: 80px;"> <p>(1) Status:</p> <p style="margin-left: 20px;">(a) Date Design Started..... 10-88</p> <p style="margin-left: 20px;">(b) Percent Complete as of January 1990..... 100</p> <p style="margin-left: 20px;">(c) Date Design 35% Complete..... 5-89</p> <p style="margin-left: 20px;">(d) Date Design Complete..... 1-90</p> <p>(2) Basis:</p> <p style="margin-left: 20px;">(a) Standard or Definitive Design: Yes _____ No <u>X</u></p> <p style="margin-left: 20px;">(b) Where Design Was Most Recently Used: <u>N/A</u></p> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <p style="margin-left: 20px;">(a) Production of Plans and Specifications..... ( 90 )</p> <p style="margin-left: 20px;">(b) All Other Design Costs..... ( 170 )</p> <p style="margin-left: 20px;">(c) Total..... 260</p> <p style="margin-left: 20px;">(d) Contract..... ( 220 )</p> <p style="margin-left: 20px;">(e) In-house..... ( 40 )</p> <p>(4) Construction start..... 4-91</p> <p style="margin-left: 100px;">(month and year)</p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations: None.</p> </div>		

1. COMPONENT <b>NAVY</b>		FY 1991 <b>MILITARY CONSTRUCTION PROGRAM</b>				2. DATE				
3. INSTALLATION AND LOCATION <b>NAVAL SECURITY GROUP ACTIVITY, SABANA SECA, PUERTO RICO</b>				4. COMMAND <b>NAVAL SECURITY GROUP COMMAND</b>		5. AREA CONSTR. COST INDEX <b>1.23</b>				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
	a. AS OF 09/30/88									
b. END FY 1994										
	11	260	71	0	0	0	0	0	0	342
	13	285	71	0	0	0	0	0	0	369
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ( 2,618 )										
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 13,680										
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 1,190										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 810										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0										
g. REMAINING DEFICIENCY . . . . . 0										
h. GRAND TOTAL . . . . . 15,680										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
131.55	OPS BUILDING ADDITION				LS	810	03/89 02/90			
	TOTAL					810				
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS: NONE										
10. MISSION OR MAJOR FUNCTIONS: Provide tactical communications, monitor transmission procedures, and research into electronic phenomena.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT 0										
B: INSTALLATION RESTORATION 400										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0										

1. COMPONENT <b>NAVY</b>		FY 1991 <b>MILITARY CONSTRUCTION PROGRAM</b>				2. DATE				
3. INSTALLATION AND LOCATION <b>NAVAL COMMUNICATION STATION, ROTA, SPAIN</b>				4. COMMAND <b>NAVAL SECURITY GROUP COMMAND</b>		5. AREA CONSTR. COST INDEX <b>.82</b>				
6. PERSONNEL STRENGTH	PERMANENT			STUDENTS			SUPPORTED			TOTAL
	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88	28	622	2	0	0	0	0	0	0	652
b. END FY 1994	40	800	2	0	0	0	0	0	0	842
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE <span style="float: right;">TENANT OF NS</span>										
b. INVENTORY TOTAL AS OF 30 SEP 88 <span style="float: right;">10,220</span>										
c. AUTHORIZATION NOT YET IN INVENTORY <span style="float: right;">400</span>										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM <span style="float: right;">1,740</span>										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM <span style="float: right;">0</span>										
f. PLANNED IN NEXT THREE PROGRAM YEARS <span style="float: right;">0</span>										
g. REMAINING DEFICIENCY <span style="float: right;">450</span>										
h. GRAND TOTAL <span style="float: right;">12,810</span>										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE			SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE				
131.55	OPS BUILDING ADDITION			11,340 SF	1,740	07/88      10/89				
	TOTAL				1,740					
9. FUTURE PROJECTS:										
A. INCLUDED IN FOLLOWING PROGRAM NONE										
B. MAJOR PLANNED NEXT THREE YEARS: NONE										
10. MISSION OR MAJOR FUNCTIONS:										
Provide command and control communications, ship-to-shore service for the fleet, and satellite communications. Primary area covered is the eastern Atlantic and Mediterranean areas.										
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)										
A: POLLUTION ABATEMENT <span style="float: right;">0</span>										
B: INSTALLATION RESTORATION <span style="float: right;">0</span>										
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): <span style="float: right;">0</span>										

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL COMMUNICATION STATION, ROTA, SPAIN</b>				4. PROJECT TITLE <b>OPERATIONS BUILDING ADDITION</b>		
5. PROGRAM ELEMENT <b>0303196N</b>		6. CATEGORY CODE <b>131.55</b>	7. PROJECT NUMBER <b>P-556</b>		8. PROJECT COST (\$000) <b>1,740</b>	
9. COST ESTIMATE						
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)		
OPERATIONS BUILDING ADDITION . . . . .	SF	11,340	-	1,270		
BUILDING ADDITION . . . . .	SF	9,140	97.00	( 890)		
BUILDING ALTERATIONS . . . . .	SF	2,200	45.00	( 100)		
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 280)		
SUPPORTING FACILITIES . . . . .	-	-	-	300		
UTILITIES, PAVING & SITE IMPR, DEMOLITION.	LS	-	-	( 300)		
SUBTOTAL . . . . .	-	-	-	1,570		
CONTINGENCY (5%) . . . . .	-	-	-	80		
TOTAL CONTRACT COST . . . . .	-	-	-	1,650		
SUPERVISION, INSPECTION AND OVERHEAD (5.5%).	-	-	-	90		
TOTAL REQUEST . . . . .	-	-	-	1,740		
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)		
10. DESCRIPTION OF PROPOSED CONSTRUCTION  One-story reinforced concrete and masonry building addition, concrete foundation and floor, built-up roofing on rigid insulation over concrete deck, computer flooring, sound attenuation, fire protection system, access control system; renovate interior of one building; air conditioning, utilities; partial demolition of one building. 11. REQUIREMENT: 77,760 SF. ADEQUATE: 66,420 SF. SUBSTANDARD: (2,200) SF. PROJECT: Provides additional operational space adjacent to the Circular Display Antenna Array Building and improves the use of existing building space. (Current mission.) REQUIREMENT: Adequate and properly-configured operational communication facility spaces for Naval Security Group (NAVSECGRU) Detachment Rota to accommodate the dynamic upgrade of equipment and the installation of additional state-of-the-art communication equipment. An automatic data processing (ADP) work center is necessary to provide equipment space and common work area for software development, ADP training, and security guidance for the department, supporting SEAMARK, NEWSDEALER, CENTER-BOARD, and TACINTEL. CURRENT SITUATION: Existing space will not support the additional communications programs, equipment, or personnel. IMPACT IF NOT PROVIDED: Additional communications workload will not be efficiently and effectively accomplished. Operational floor space will not be available to support the mission requirements of NAVSECGRU. (Continued on DD 1391c)						

1. COMPONENT	2. DATE																							
NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA																							
3. INSTALLATION AND LOCATION																								
NAVAL COMMUNICATION STATION, ROTA, SPAIN																								
4. PROJECT TITLE		5. PROJECT NUMBER																						
OPERATIONS BUILDING ADDITION		P-556																						
<p>11. REQUIREMENT: (Continued)</p> <p><u>IMPACT IF NOT PROVIDED:</u> (Continued)</p> <p>Critical communications support services provided to the Sixth Fleet will be adversely affected. Activity will not be able to provide quality communications.</p> <p><u>ADDITIONAL:</u> NATO prefinancing is not applicable to this project because it is not in support of forces assigned to NATO. A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure funding.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: (Project design conforms to P. II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p>(1) Status:</p> <table border="0"> <tr> <td>(a) Date Design Started.....</td> <td>7-88</td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td>100</td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td>11-88</td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td>10-89</td> </tr> </table> <p>(2) Basis:</p> <table border="0"> <tr> <td>(a) Standard or Definitive Design:</td> <td>Yes _____ No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td><u>N/A</u></td> </tr> </table> <p>(3) Total cost (c) = (a) + (b) or (d) + (e): (\$000)</p> <table border="0"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td>( 100 )</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td>( 70 )</td> </tr> <tr> <td>(c) Total.....</td> <td>170</td> </tr> <tr> <td>(d) Contract.....</td> <td>( 135 )</td> </tr> <tr> <td>(e) In-house.....</td> <td>( 35 )</td> </tr> </table> <p>(4) Construction start..... <u>1-91</u> (month and year)</p> <p>b. Equipment associated with this project which will be provided from other appropriations: None.</p>			(a) Date Design Started.....	7-88	(b) Percent Complete as of January 1990.....	100	(c) Date Design 35% Complete.....	11-88	(d) Date Design Complete.....	10-89	(a) Standard or Definitive Design:	Yes _____ No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( 100 )	(b) All Other Design Costs.....	( 70 )	(c) Total.....	170	(d) Contract.....	( 135 )	(e) In-house.....	( 35 )
(a) Date Design Started.....	7-88																							
(b) Percent Complete as of January 1990.....	100																							
(c) Date Design 35% Complete.....	11-88																							
(d) Date Design Complete.....	10-89																							
(a) Standard or Definitive Design:	Yes _____ No <u>X</u>																							
(b) Where Design Was Most Recently Used:	<u>N/A</u>																							
(a) Production of Plans and Specifications.....	( 100 )																							
(b) All Other Design Costs.....	( 70 )																							
(c) Total.....	170																							
(d) Contract.....	( 135 )																							
(e) In-house.....	( 35 )																							

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> <b>MILITARY CONSTRUCTION PROGRAM</b>						2. DATE			
3. INSTALLATION AND LOCATION <b>FLEET SURVEILLANCE SUPPORT COMMAND BRANDY MALES, UNITED KINGDOM</b>				4. COMMAND <b>CHIEF OF NAVAL OPERATIONS</b>			5. AREA CONSTR. COST INDEX <b>1.50</b>				
6. PERSONNEL STRENGTH:		PERMANENT			STUDENTS			SUPPORTED			
		OFF CER	ENLISTED	CIVILIAN	OFF CER	ENLISTED	CIVILIAN	OFF CER	ENLISTED	CIVILIAN	TOTAL
a. AS OF 9/30/88		37	174	30	0	0	0	2	3	1	247
b. END FY 19 94		45	238	30	10	50	0	2	3	51	429
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE (0)											
b. INVENTORY TOTAL AS OF 30 SEP 1988 0											
c. AUTHORIZATION NOT YET IN INVENTORY 0											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM 3,600											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM 0											
f. PLANNED IN NEXT THREE PROGRAM YEARS 0											
g. REMAINING DEFICIENCY 0											
h. GRAND TOTAL 3,600											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE						
134.70	Electronic Installation	LS	3,600	12/88	06/90						
	TOTAL		3,600								
9. <u>Future Projects:</u>											
a. Included in following program: None.											
b. Major Planned Next Three Years: None.											
10. <u>Mission or Major Functions:</u> Surveillance, early warning, and target identification. Effective management of air intercept capability.											
11. <u>Outstanding pollution and safety deficiencies:</u> (\$000)											
a. Pollution Abatement: 0											
b. Installation Restoration: 0											
c. Occupational safety and health (OSH): 0											



1. COMPONENT <b>NAVY</b>	<b>FY 1991 MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE
3. INSTALLATION AND LOCATION <b>FLEET SURVEILLANCE SUPPORT COMMAND, BRANDY WALES, UNITED KINGDOM</b>		4. PROJECT TITLE <b>ELECTRONIC INSTALLATION</b>	
5. PROGRAM ELEMENT <b>0204577N</b>	6. CATEGORY CODE <b>134.70</b>	7. PROJECT NUMBER <b>P-301</b>	8. PROJECT COST (\$000) <b>3,600</b>

9. COST ESTIMATES				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
ELECTRONIC INSTALLATION. . . . .	LS	-	-	9,240
TRANSMITTER SITE . . . . .	LS	-	-	( 2,640)
RECEIVER SITE. . . . .	LS	-	-	( 4,540)
BUILT-IN EQUIPMENT . . . . .	LS	-	-	( 2,060)
SUPPORTING FACILITIES. . . . .	-	-	-	4,300
UTILITIES. . . . .	LS	-	-	( 1,979)
PAVING AND SITE IMPROVEMENT. . . . .	LS	-	-	( 2,330)
SUBTOTAL . . . . .	-	-	-	13,340
CONTINGENCY (5%) . . . . .	-	-	-	680
TOTAL CONTRACT COST. . . . .	-	-	-	14,220
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	780
TOTAL REQUEST. . . . .	-	-	-	15,000
LESS: OTHER FUNDING . . . . .	-	-	-	-11,400
U.S. FUNDING REQUEST . . . . .	-	-	-	3,600
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	(90,000)

10. DESCRIPTION OF PROPOSED CONSTRUCTION

Site preparation for relocatable-over-the-horizon-radar (ROTHR) system installation; reinforced concrete van pads, antenna footings and foundations, personnel support facilities, operations facilities, roads, security fencing, emergency generators, fuel storage tanks, utilities.

11. REQUIREMENT: As Required.

PROJECT: Provides site preparation and support facilities for the installation of a Relocatable-Over-the-Horizon-Radar (ROTHR) System in the United Kingdom. (New mission.)

REQUIREMENT: The ROTHR System, when installed, will satisfy the requirement for broad area over-the-horizon surveillance and tactical forces support in the North Sea and Baltic Sea regions.

CURRENT SITUATION: There is no broad area surveillance system currently in place which provides coverage in the required area.

IMPACT IF NOT PROVIDED: The ROTHR System will not be installed and current surveillance requirements will not be met.

ADDITIONAL: A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when joint-use or mutual benefits are derived. Project construction cost will be shared by the U.S. and the host nation, with host nation accepting approximately 75% funding

(Continued on DD 1391c)

1. COMPONENT <b>NAVY</b>	<b>FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA</b>	2. DATE																														
3. INSTALLATION AND LOCATION <b>FLEET SURVEILLANCE SUPPORT COMMAND, BRANDY WALES, UNITED KINGDOM</b>																																
4. PROJECT TITLE <b>ELECTRONIC INSTALLATION</b>	5. PROJECT NUMBER <b>P-301</b>																															
<p>11. <b>REQUIREMENT:</b> (Continued) responsibility. NATO prefinancing is not applicable to this project because it is not included in an approved NATO category and is not expected to become eligible.</p> <p>12. <b>SUPPLEMENTAL DATA:</b></p> <p style="margin-left: 40px;">a. Estimated design status: (Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide.")</p> <p style="margin-left: 40px;">(1) Status:</p> <table style="margin-left: 80px; border-collapse: collapse;"> <tr> <td>(a) Date Design Started.....</td> <td style="text-align: right;"><u>12-88</u></td> </tr> <tr> <td>(b) Percent Complete as of January 1990.....</td> <td style="text-align: right;"><u>75</u></td> </tr> <tr> <td>(c) Date Design 35% Complete.....</td> <td style="text-align: right;"><u>7-89</u></td> </tr> <tr> <td>(d) Date Design Complete.....</td> <td style="text-align: right;"><u>6-90</u></td> </tr> </table> <p style="margin-left: 40px;">(2) Basis:</p> <table style="margin-left: 80px; border-collapse: collapse;"> <tr> <td>(a) Standard or Definitive Design:</td> <td style="text-align: right;">Yes <u>      </u> No <u>X</u></td> </tr> <tr> <td>(b) Where Design Was Most Recently Used:</td> <td style="text-align: right;"><u>N/A</u></td> </tr> </table> <p style="margin-left: 40px;">(3) Total cost (c) = (a) + (b) or (d) + (e): <span style="float: right;">(\$000)</span></p> <table style="margin-left: 80px; border-collapse: collapse;"> <tr> <td>(a) Production of Plans and Specifications.....</td> <td style="text-align: right;">(<u>515</u>)</td> </tr> <tr> <td>(b) All Other Design Costs.....</td> <td style="text-align: right;">(<u>685</u>)</td> </tr> <tr> <td>(c) Total.....</td> <td style="text-align: right;"><u>1200</u></td> </tr> <tr> <td>(d) Contract.....</td> <td style="text-align: right;">(<u>1080</u>)</td> </tr> <tr> <td>(e) In-house.....</td> <td style="text-align: right;">(<u>120</u>)</td> </tr> </table> <p style="margin-left: 40px;">(4) Construction start..... <u>1-91</u> <span style="margin-left: 100px;">(month and year)</span></p> <p style="margin-left: 40px;">b. Equipment associated with this project which will be provided from other appropriations:</p> <table style="margin-left: 40px; width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="text-align: left;"><u>Equipment</u> <u>Number/Clature</u></th> <th style="text-align: left;"><u>Procuring</u> <u>Appropriation</u></th> <th style="text-align: left;"><u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u></th> <th style="text-align: left;"><u>Cost</u> <u>(\$000)</u></th> </tr> </thead> <tbody> <tr> <td>Antenna and Operational Equipment</td> <td>OPN</td> <td>1991</td> <td>90,000</td> </tr> </tbody> </table>			(a) Date Design Started.....	<u>12-88</u>	(b) Percent Complete as of January 1990.....	<u>75</u>	(c) Date Design 35% Complete.....	<u>7-89</u>	(d) Date Design Complete.....	<u>6-90</u>	(a) Standard or Definitive Design:	Yes <u>      </u> No <u>X</u>	(b) Where Design Was Most Recently Used:	<u>N/A</u>	(a) Production of Plans and Specifications.....	( <u>515</u> )	(b) All Other Design Costs.....	( <u>685</u> )	(c) Total.....	<u>1200</u>	(d) Contract.....	( <u>1080</u> )	(e) In-house.....	( <u>120</u> )	<u>Equipment</u> <u>Number/Clature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u>	<u>Cost</u> <u>(\$000)</u>	Antenna and Operational Equipment	OPN	1991	90,000
(a) Date Design Started.....	<u>12-88</u>																															
(b) Percent Complete as of January 1990.....	<u>75</u>																															
(c) Date Design 35% Complete.....	<u>7-89</u>																															
(d) Date Design Complete.....	<u>6-90</u>																															
(a) Standard or Definitive Design:	Yes <u>      </u> No <u>X</u>																															
(b) Where Design Was Most Recently Used:	<u>N/A</u>																															
(a) Production of Plans and Specifications.....	( <u>515</u> )																															
(b) All Other Design Costs.....	( <u>685</u> )																															
(c) Total.....	<u>1200</u>																															
(d) Contract.....	( <u>1080</u> )																															
(e) In-house.....	( <u>120</u> )																															
<u>Equipment</u> <u>Number/Clature</u>	<u>Procuring</u> <u>Appropriation</u>	<u>Fiscal Year</u> <u>Appropriated</u> <u>or Requested</u>	<u>Cost</u> <u>(\$000)</u>																													
Antenna and Operational Equipment	OPN	1991	90,000																													

1. COMPONENT  NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE				
3. INSTALLATION AND LOCATION  PERSONNEL SUPPORT ACTIVITY, LONDON, UNITED KINGDOM				4. COMMAND  COMMANDER IN CHIEF, US NAVAL FORCES EUROPE		5. AREA CONSTR. COST INDEX  1.50					
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 09/30/88		264	822	548	0	0	0	0	0	0	1634
b. END FY 1994		264	822	548	0	0	0	0	0	0	1634
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ( 0 )											
b. INVENTORY TOTAL AS OF 30 SEP 88 . . . . . 0											
c. AUTHORIZATION NOT YET IN INVENTORY . . . . . 0											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM . . . . . 500											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM . . . . . 0											
f. PLANNED IN NEXT THREE PROGRAM YEARS . . . . . 0											
g. REMAINING DEFICIENCY . . . . . 0											
h. GRAND TOTAL . . . . . 500											
8. PROJECTS REQUESTED IN THIS PROGRAM.											
CATEGORY CODE		PROJECT TITLE			SCOPE		COST (\$000)		DESIGN STATUS START COMPLETE		
610.10		PASS OFFICE			LS		500		09/88 06/89		
		TOTAL					500				
9. FUTURE PROJECTS:											
A INCLUDED IN FOLLOWING PROGRAM NONE											
B. MAJOR PLANNED NEXT THREE YEARS NONE											
10. MISSION OR MAJOR FUNCTIONS											
Navy's primary activity providing personnel administrative support to military personnel and their families in Northern Europe. Maintains pay and personnel records, provides passenger transportation services, disbursing services and other related support to the Commander in Chief, US Naval Forces, Europe; US Commander, Eastern Atlantic; US naval activities and units in the United Kingdom.											
11. OUTSTANDING POLLUTION AND SAFETY DEFICIENCIES: (\$000)											
A: POLLUTION ABATEMENT 0											
B: INSTALLATION RESTORATION 0											
C: OCCUPATIONAL SAFETY AND HEALTH (OSH): 0											

VARLOCS

## VARIOUS LOCATIONS

1. COMPONENT <b>NAVY</b>	<b>FY 19 21 MILITARY CONSTRUCTION PROJECT DATA</b>			2. DATE
3. INSTALLATION AND LOCATION <b>NAVAL INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES</b>		4. PROJECT TITLE <b>LAND ACQUISITION</b>		
5. PROGRAM ELEMENT <b>VARIES</b>	6. CATEGORY CODE <b>911.10</b>	7. PROJECT NUMBER <b>VARIOUS</b>	8. PROJECT COST (\$000) <b>7,800</b>	
<b>9. COST ESTIMATES</b>				
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)
LAND ACQUISITION . . . . .	LS	-	-	7,040
SUBTOTAL . . . . .	-	-	-	7,040
CONTINGENCY (5%) . . . . .	-	-	-	350
TOTAL CONTRACT COST. . . . .	-	-	-	7,390
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . .	-	-	-	410
TOTAL REQUEST. . . . .	-	-	-	7,800
EQUIPMENT PROVIDED FROM OTHER APPROPRIATIONS	-	-	(NON-ADD)	( 0)
<p>10. DESCRIPTION OF PROPOSED CONSTRUCTION</p> <p>Acquisition of interests in approximately 645.0 acres of land as follows; provide relocation assistance; demolition as necessary.</p> <p>Naval Submarine Base, New London, CT - 2.0 acres (approx.)  Naval Amphibious Base, Little Creek, VA - 3.0 acres (approx.)  Naval Air Facility, El Centro, CA - 640.0 acres (approx.)</p>				
<p>11. REQUIREMENT: <u>As Required.</u></p> <p><u>PROJECT:</u> Acquires interests in land at three locations to support activity missions.</p> <p><u>REQUIREMENT:</u> Restrictive use easements or fee titles are needed to provide sites for facilities and to meet or protect operational capabilities.</p> <p><u>CURRENT SITUATION:</u> Sites are not available for construction of some facilities, and operations are constrained by non-compatible activity on privately-owned land adjacent to the boundaries of Navy activities.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Sites will not be available for construction of facilities. Military operations will continue to be constrained.</p>				
<p>12. SUPPLEMENTAL DATA: <u>Not Applicable.</u></p>				

# **POLLUTION ABATEMENT**

**"I" POLLUTION  
ABATEMENT**

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES			4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES		
5. PROGRAM ELEMENT VARIES	6. CATEGORY CODE VARIES	7. PROJECT NUMBER VARIOUS	8. PROJECT COST (\$000) 17,240		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
POLLUTION ABATEMENT FACILITIES . . . . .		LS	-	-	17,240
TOTAL REQUEST. . . . .		-	-	-	17,240
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>These pollution abatement facilities will bring Naval installations into compliance with federal, state, and local environmental laws. Facilities include upgrading existing structures, building new structures, solid waste disposal, and separation of water and sewer pipelines. Environmental engineering evaluations were performed to determine the most advantageous method for achieving compliance with environmental laws and regulations. (See individual project description of work.)</p>					
11. REQUIREMENT: <u>VARIES</u> .					
<p><b>PROJECT:</b> Provides pollution abatement facilities.</p> <p><b>REQUIREMENT:</b> To continue the Navy's program for correcting, controlling, and preventing pollution at Naval and Marine Corps installations, and to comply with federal, state, and local water quality standards.</p> <p><b>CURRENT SITUATION:</b> Facilities at Naval and Marine Corps installations were often constructed with inadequate controls to meet present day environmental quality standards. Industrial wastewaters and sewage are discharged untreated or inadequately treated into adjacent waterways.</p> <p><b>ADDITIONAL:</b> This program complies with current water quality standards for the projects at their locations. The pollution abatement program includes projects in the following categories:</p>					
(Continued on DD 1391c)					

1. COMPONENT	2. DATE	
NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES		
4. PROJECT TITLE		5. PROJECT NUMBER
POLLUTION ABATEMENT FACILITIES		VARIOUS
<p>11. REQUIREMENT: (Continued)</p> <p>ADDITIONAL: (Continued)</p> <p><u>Solid Waste Disposal Facilities</u> - These projects are necessary in certain areas with unusual conditions for disposal of solid wastes to eliminate excess accumulations of trash and garbage that possibly would attract vermin.</p> <p><u>Sanitary Wastewater System</u> - Some installations have sewerage systems which do not meet present day minimum water quality standards. The Clean Water Act of 1977, PL 95-217, requires every "point source" discharger to obtain a permit which specifies the allowable amount and constituents of the effluent. The permit also contains a schedule specifying the dates by which the discharger will achieve compliance. These projects provide improvements to sanitary sewage collection and treatment systems to satisfy the water quality criteria and permit requirements.</p> <p><u>Industrial Wastewater Treatment Facilities</u> - Industrial operations create many unique waste disposal problems. The effluent is more difficult to treat than typical sanitary sewage wastewater. Industrial wastewater effluents contain heavy metals and toxic and corrosive chemicals that are potential stream pollutants, and also have deleterious effect on municipal sewage treatment systems. Therefore, the Navy must provide pretreatment plants at many installations. Industrial facilities discharge wastes, untreated or inadequately treated, into adjacent drainage courses that empty into harbor or navigable waters in violation of water quality standards. These projects provide pretreatment facilities, and other modifications as required, to meet the discharge permit requirements.</p> <p><u>Water and Sewer Pipelines Separation</u> - These projects insure compliance with Environmental Protection Agency (EPA), the Clean Water Act, and the States for elimination of potable water contamination because of cross-connections of pipelines.</p> <p>12. SUPPLEMENTAL DATA:</p> <p>a. Estimated design status: Project designs conform to Part II of Military Handbook 1190, "Facility Planning and Design Guide."</p> <p>Individual project descriptions follow:</p> <p style="text-align: right;">(Continued on DD 1391c)</p>		



1. COMPONENT NAVY		2. DATE FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES			
4. PROJECT TITLE POLLUTION ABATEMENT FACILITIES		5. PROJECT NUMBER VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
<u>Inside the United States</u>			
<u>Alaska</u>			
833.20	P-892	Solid Waste Disposal Facility, NAS Adak	3,200
Solid waste is currently disposed of through a baling and burial procedure. The compacting and baling is accomplished in a 44-year old facility. Failures and downtime cause an unacceptable level of garbage and trash to accumulate and attract vermin. Because of poor drainage and this accumulation, standing pools of contaminated water are formed. The overall situation promotes unsanitary conditions. Without the proposed facility, the threat of a shutdown because of system and equipment failure or unacceptable health hazards will continue to exist. This project will replace the obsolete facility. (Current mission.)			
Subtotal - Alaska			3,200
<u>California</u>			
214.55	P-470	Industrial Wastewater Treatment Facilities, MCAGCC Twentynine Palms	2,200
Washdown facilities are necessary for maintenance of tactical and support vehicles returning from firing range training. Thirteen wash facilities presently discharge large quantities of oily wastewater into sanitary sewers or unlined storm drainage ditches. Facility improvements are required to reduce the quantity of wastewater and the amount of oil, grease, and solvents in the wash water effluent. These improvements will eliminate potential drinking water contamination from hazardous waste discharges, reduce the load on the sewage treatment plant, and eliminate the waste oil that now flows into the sanitary sewers. Standard sand and oil separators used are inadequate because of the excessive quantities of sand needed, and the velocity through the separators. The large quantities of oil mixed with water have a deleterious effect on the operation of the sewage treatment plant. Permits are necessary for seven of the wash stations that discharge into storm drain channels. The petroleum product			

(Continued on DD 1391c)

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
POLLUTION ABATEMENT FACILITIES		VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
<u>California (Continued)</u>			
214.55	P-470	Industrial Wastewater Treatment Facilities, MCAGCC Twentynine Palms (Continued)	
content, particularly high levels of benzene, exceeds the State standards and thus the Regional Water Quality Control Board cannot issue the permits. This project will eliminate waste discharges from washdown facilities to open drainage ditches and provide pretreatment of the wastes before discharge to the sanitary sewer system. (Current mission.)			
Subtotal - California			2,200
<u>Florida</u>			
831.10	P-831	Sanitary Wastewater System Upgrade, NAS Cecil Field	2,000
Project is necessary for compliance with Environmental Protection Agency (EPA) and the Florida Department of Environmental Regulation requirements that treated water discharged from a sewage treatment plant can no longer be discharged into surface waters. Secondary effluent is presently discharged downstream into the receiving waters and flows to the St. John's River. This project will construct appropriate tertiary treatment facilities for sewage treatment plant effluent to pass through before final station discharge. This work will insure Navy compliance with Federal and State water quality standards. (Current mission.)			
842.10	P-111	Water and Sewer Pipelines Separation, NPWC Pensacola	3,440
A survey and study of the facilities at NAS Pensacola indicated a potential hazard for contamination of the potable water system exists in many locations throughout the activity. Contamination of potable water would pose a serious threat to the health and safety of personnel. The elimination of all possible potable water contamination through cross-connections of potable and non-potable water pipelines is required by			
(Continued on DD 1391c)			

1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
POLLUTION ABATEMENT FACILITIES		VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
<u>Florida (Continued)</u>			
842.10	P-111	Water and Sewer Pipelines Separation, NPWC Pensacola (Continued)	
the EPA and the State of Florida. This project will provide back-flow prevention devices, double-check valves, and piping system modifications to eliminate violations of the Florida Department of Environmental Regulation and the Clean Water Act. Without this project, the Navy will continue to have the possibility of water contamination and be in violation of both EPA and the State of Florida. (Current mission.)			
Subtotal - Florida			5,440
<u>Maryland</u>			
831.10	P-963	Industrial Wastewater Treatment Facilities, NOS Indian Head	6,400
This station discharges virtually untreated industrial wastewater from a number of explosive and propellant operations into the Mattawoman Creek and Potomac River. The Environmental Protection Agency (EPA) has issued a discharge permit to the Navy, which the station cannot meet. The EPA, the State of Maryland, and the station have signed a compliance agreement for the station to build a treatment plant to meet the permit requirements by April 1993. This project will construct a central industrial wastewater treatment plant and collection system on station. Failure to construct the treatment plant by the compliance agreement date will cause the Navy to be in violation of Federal and State water pollution control laws. (Current mission.)			
Subtotal - Maryland			6,400
Total - Pollution Abatement Facilities			17,240

**"J" UNSPECIFIED  
MINOR**

# **UNSPECIFIED MINOR CONSTRUCTION**

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL &amp; MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE &amp; OUTSIDE UNITED STATES</b>			4. PROJECT TITLE <b>UNSPECIFIED MINOR CONSTRUCTION</b>		
5. PROGRAM ELEMENT <b>0901211N</b>	6. CATEGORY CODE <b>020.00</b>	7. PROJECT NUMBER <b>P-091</b>	8. PROJECT COST (\$000) <b>15,500</b>		
<b>9. COST ESTIMATES</b>					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
UNSPECIFIED MINOR CONSTRUCTION . . . . .	LS	-	-	15,500	
TOTAL REQUEST. . . . .	-	-	-	15,500	
10. DESCRIPTION OF PROPOSED CONSTRUCTION  Unspecified minor construction projects within the concepts of Title 10 USC 2805 not otherwise authorized by law (except family housing) having an approved cost of \$1,000,000 or less, including construction, alteration, or conversion of permanent or temporary facilities.					
11. REQUIREMENT: <b>VARIES.</b> Title 10 USC 2805 provides authority to the Secretary of Defense and the Secretaries of the Military Departments to acquire, construct, extend, alter or install permanent facilities having an approved cost of \$1,000,000 or less not otherwise authorized by law. Included are those items required for which a need cannot reasonably be foreseen nor justified in time to be included in an annual military construction program, but are so urgently required that financing cannot be deferred until legislation in support of a new program is enacted.					

"K" A&E SERVICES &  
CONSTR DESIGN

**ARCHITECTURAL & ENGINEERING  
SERVICES  
& CONSTRUCTION DESIGN**

1. COMPONENT <b>NAVY</b>		<b>FY 1991 MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL &amp; MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE &amp; OUTSIDE UNITED STATES</b>			4. PROJECT TITLE <b>ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN</b>		
5. PROGRAM ELEMENT <b>0901211N</b>	6. CATEGORY CODE <b>010.00</b>	7. PROJECT NUMBER <b>Various</b>	8. PROJECT COST (\$PGO) <b>82,499</b>		
<b>9. COST ESTIMATES</b>					
ITEM		U/M	QUANTITY	UNIT COST	COST (9000)
A&E SERVICES AND CONSTRUCTION DESIGN . . . .		LS	-	-	<b>82,499</b>
TOTAL REQUEST. . . . .		-	-	-	<b>82,499</b>
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Funds to be utilized under Title 10 USC 2807 for architectural and engineering services and construction design in connection with military construction projects including regular program projects, unspecified minor construction, emergency construction, land appraisals, and special projects as directed. Engineering investigations, such as field surveys and foundations exploration, will be undertaken as necessary.</p>					
11. REQUIREMENT: <u>VARIES.</u>					
<p>All projects in a military construction program presented for approval must be based on sound engineering and the best cost data available. For this reason, design is initiated to establish project estimates in advance of program submittal to the Congress. Based on this preliminary design, final plans and specifications are then prepared. Costs for architectural and engineering services and construction design are not included in the construction project cost estimates.</p>					

# ACCESS ROADS

"L" ACCESS ROADS



1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS			4. PROJECT TITLE ACCESS ROADS		
5. PROGRAM ELEMENT 0901211N	6. CATEGORY CODE 040.00	7. PROJECT NUMBER P-191	8. PROJECT COST (\$000) 4,017		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
ACCESS ROADS . . . . .		LS	-	-	4,017
TOTAL REQUEST. . . . .		-	-	-	4,017
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Finance: (1) new off-station entrances to Naval activities or new connections between Naval activities; (2) urgently needed improvements of existing highways serving Naval activities; (3) the Federal Government's share of cost of relocating highways severed by expansion or construction of new Naval facilities; (4) alterations to roads near Naval activities to accommodate special military vehicles; and (5) contractor damage to roads serving missile bases. Funds provided will be transferred to the Federal Highway Administration of the Department of Transportation which is responsible under Title 23, USC 210 for assuring proper design and construction of approved work.</p>					
11. REQUIREMENT: VARIES.					
<p>These funds are required to provide access roads. Access road items are required for construction, improvement, replacement or relocation of public highways necessitated by construction of new or expansion of existing Naval or Marine Corps activities which result in a sudden and significant impact on the adjacent highway system. Such items are also vital for relocation of highways to satisfy airway-highway or explosive-clearance criteria. Highways located within the boundaries of a military reservation are not eligible for financing from these funds. Projects in the regular Federal Aid Primary Systems are not normally considered eligible for financing with these funds (exceptions may occur for cases such as special vehicles, weapons safety, or other extraordinary impact generated by Navy requirements).</p>					

**PROJECTS \$1 MILLION  
& UNDER**

**"M" PROJECTS \$1 MIL  
& UNDER**

1. COMPONENT <b>NAVY</b>		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES</b>				4. PROJECT TITLE <b>PROJECTS \$1 MILLION AND UNDER</b>		
5. PROGRAM ELEMENT <b>VARIES</b>		6. CATEGORY CODE <b>VARIOUS</b>		7. PROJECT NUMBER <b>VARIOUS</b>		8. PROJECT COST (\$000) <b>13,650</b>
9. COST ESTIMATES						
ITEM				U/M	QUANTITY	COST (\$000)
PROJECTS \$1 MILLION AND UNDER . . . . .				LS	-	13,650
TOTAL REQUEST. . . . .				-	-	13,650
10. DESCRIPTION OF PROPOSED CONSTRUCTION  Specified construction projects (except family housing) having a funded cost of \$1,000,000 or less. (See individual project description.)						
11. REQUIREMENT: <b>VARIES.</b> Projects are specifically identified below and on subsequent sheets.						
12. SUPPLEMENTAL DATA:  a. Estimated design status: Project designs conform to Part II of Military Handbook 1190, "Facility Planning and Design Guide."						
Individual project descriptions follow:						

(Continued on DD 1391c)

1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
PROJECTS \$1 MILLION AND UNDER		VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
<u>Inside the United States</u>			
<u>California</u>			
171.20	P-888	Weapons School Addition, NAS Lemoore	900
<p>Special purpose training in classified weapons system assigned to strike fighter squadrons at this activity is scheduled to begin in 1992. Because of the requirements for limited access and a controlled space, there are no facilities available in which to house this type of training. This project constructs an addition to the Light Attack Weapons School to support training in this new weapons system. (New mission.)</p>			
218.15	P-074	Battery Shop, NAS Lemoore	420
<p>Adequate facilities are required for repair, servicing, scheduled maintenance, and storage of lead acid and nicad batteries for F/A-18, TA-7C, A-7E, UH-1N, T-39 aircraft and for ground support equipment. With the introduction of the F/A-18 the workload is expected to increase by 30%. The existing battery shop, located in one corner of the overcrowded ground support equipment shop, cannot expand. The current facility will be unable to meet its mission or storage requirements. This project constructs an adequate and properly-configured battery shop. (Current mission.)</p>			
213.55	P-235	Asbestos Removal Shop, Long Beach NSY, Long Beach	500
<p>Removal of asbestos insulation from equipment and pipes on ships presently takes place at great risk to the health and safety of personnel in an adjacent area and to those directly engaged in the asbestos removal. The facilities currently used have an uncontrolled environment and do not meet Environmental Protection Agency (EPA) regulations governing the emission of asbestos fibers. This project modifies and converts a shop facility to provide an efficient, negative pressure facility for an effective asbestos removal shop meeting EPA standards. (Current mission.)</p>			
(Continued on DD 1391c)			

1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
PROJECTS \$1 MILLION AND UNDER		VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
<u>California (Continued)</u>			
171.20	P-888	Weapons School Addition, NAS Miramar	900
<p>Special purpose training in classified weapons systems assigned to strike fighter squadrons at this activity is scheduled to begin in 1992. Because of the requirements for limited access and a controlled space, there are no facilities available in which to house this type of training. This project constructs an addition to an existing school to support training in this new weapons system. (New mission.)</p>			
171.20	P-034	Applied Instruction Building Addition, FCLCPAC San Diego	620
<p>Adequate training facilities are required by the Sensitive Intelligence Training Division. No available facilities exist for this purpose. This project constructs an addition to a training building to accommodate additional personnel and training equipment scheduled for this facility. (Current mission.)</p>			
832.40	P-092	Oily Waste System, NSB San Diego	440
<p>An oily waste collection system is required to serve surface vessels and submarines docked at piers. The existing oily waste system piping does not have the capacity to convey the oily waste from surface vessels and submarines docked at the piers. Waste piping under two piers is deteriorated causing frequent leakage into San Diego Bay. The shore-side piping is undersized and cannot handle the required flows. Because of the lack of check valves and deteriorated piping, oily waters are currently pumped into floating oil disposal rafts which can only be filled to less than half full or they will spill into the bay. The wastes are then transported to a treatment facility a mile away. This project is necessary to mitigate discharge of oily wastes into the San Diego Bay in violation of Federal and California statutes. This project provides an oily waste collection system with increased capacity for ships docked at piers and expanded storage at the oily waste pumping station. (Current mission.)</p>			
Subtotal - California			3,780

(Continued on DD 1391c)

1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
PROJECTS \$1 MILLION AND UNDER		VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
<u>Florida</u>			
441.20	P-510	Medical Warehouse Addition, NH Jacksonville	940
Adequate space is needed to accommodate on-base continuing stockpoint operations and storage of medical supplies to properly support the hospital and six outlying clinics. Present on-base medical warehouse space is not sufficient, requiring off-base leasing. This project will construct an addition to the medical warehouse to satisfy medical storage requirements at Jacksonville. (Current mission.)			
Subtotal - Florida			940
<u>Georgia</u>			
421.48	P-420	Small Ordnance Magazine, NSB Kings Bay	620
Adequate storage is needed for small ordnance components used with the TRIDENT II missile launcher system. There is insufficient magazine storage for these small ordnance components, which jeopardizes the refit turn-around schedule for TRIDENT submarines. This will cause patrol time for the OHIO Class submarine to be decreased. This project provides missile small ordnance components storage. (New mission.)			
Subtotal - Georgia			620
<u>Illinois</u>			
871.10	P-378	Storm Sewer System Improvements, NPWC Great Lakes	700
The installation of approximately five miles of subsurface drain pipe is required to allow subsurface water to be drained off, lowering the static ground water table. A high ground water table in the Camp Porter training area has been the cause of frequent utility outages that interfere with recruit training. Ground water levels are presently above electric and			
(Continued on DD 1391c)			

1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
PROJECTS \$1 MILLION AND UNDER		VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
<u>Illinois (Continued)</u>			
871.10	P-378	Storm Sewer System Improvements, NPWC Great Lakes (Continued)	
steam manhole bases and fire hydrant drains. The utility outages and resulting hazards usually occur during rainy weather or when snow is melting because of the inability of the present system to drain away water rapidly. This project will improve the present storm sewer system's ability to drain water. (Current mission.)			
Subtotal - Illinois			700
<u>New Mexico</u>			
371.15	P-005	Gun Test Range, NMTF White Sands	600
Adequate facilities for testing new extended range shells for the 16-inch gun to determine ballistic range table accuracy and target performance of munitions before ship deployment. Testing is required in 1991 to ensure timely issue to the fleet. Target sites for performance of ballistic certification and dummy and live round dispersion testing are required at different ranges throughout the performance envelope of the gun. Four dummy target areas and two live munitions impact areas are necessary for complete and reliable range table establishment. Two live munitions impact areas are available within the 16-inch performance parameters but, target areas do not exist for dummy sub-munitions or ballistic round testing provided by this project. (Current mission.)			
Subtotal - New Mexico			600
(Continued on DD 1391c)			

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
PROJECTS \$1 MILLION AND UNDER		VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
<u>New York</u>			
872.10	P-002	Physical Security Improvements, MCDIST Garden City	440
<p>Unauthorized vehicles and pedestrians can now enter federal property and proceed unimpeded to the guardhouse. Pedestrians can move about the property and approach the guardhouse and main gate unseen. The security perimeter around the entire front area of the Headquarters First Marine Corps District building center must be pushed out to the edge of the property and all vehicles and personnel checked by members of the guard force prior to entering. This project will relocate a guardhouse, extend security fencing, install security lighting and interior parking lot security walls adjacent to the building's main entrance; block-up six garage loading dock doors and relocate one loading dock facility. (Current mission.)</p>			
Subtotal - New York			440
<u>South Carolina</u>			
841.40	P-229	Emergency Water Storage Tank, NH Charleston	550
<p>The hospital requires an emergency source of water for personal consumption and fire protection should the present water supply be cut off. The hospital presently receives all potable and fire protection water from the city. No means of backup or emergency water exists to ensure patient care, safety, and comfort. Recent earthquake and hurricane incidents have revealed the vulnerability of the potable and fire protection water system of the hospital which is located in Seismic Zone 3. This project will provide a tank for storing water for use in an emergency. (Current mission.)</p>			
610.10	P-747	Pay and Personnel Support Office Addition, NS Charleston	500
<p>Adequate administrative space is required for this activity to handle military pay and transportation functions, and to maintain military</p> <p style="text-align: right;">(Continued on DD 1391c)</p>			



1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
PROJECTS \$1 MILLION AND UNDER		VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
<u>South Carolina (Continued)</u>			
610.10	P-747	Pay and Personnel Support Office Addition, NS Charleston (Continued)	
<p>personnel records of shore activities and designated Fleet units at the Naval Base, including submarine off-crews and ships undergoing overhaul at the shipyard. These functions are currently located in a portion of the Naval Base headquarters building which is too small for expansion. The crowded conditions have impacted on this activity's ability to manage the workload, causing processing delays in handling personnel and pay records. This project provides additional administrative space by constructing a second floor addition to an existing building. (Current mission.)</p>			
841.10	P-800	Water Treatment Facility, Charleston NSY, Charleston	500
<p>The Navy spends millions of dollars annually to repair damage to shipboard steam, condensate, and boiler systems caused by corrosion and scaling. While the Navy has improved shipboard boiler feedwater and condensate system methods, part of the problem is created by impurities in shore steam and feedwater supplied to ships in-port. The shore-to-ship steam presently being produced by the shipyard does not meet the Navy's clean-steam criteria. This project provides an improved boiler feedwater and condensate system to ensure compliance with shore-to-ship clean-steam criteria. (Current mission.)</p>			
Subtotal - South Carolina			1,550
<u>Virginia</u>			
171.20	P-360	Training Materials Storage, NAVPHIBSCOL Little Creek	800
<p>The storage, maintenance, and repair of sit-in model training ships require slip, pier, and work-bay areas that can accommodate all of the models, support boats, and equipment. If these facilities are not</p>			
(Continued on DD 1391c)			

1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
PROJECTS \$1 MILLION AND UNDER		VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
<u>Virginia (Continued)</u>			
171.20	P-360	Training Materials Storage, NAVPHIBSCOL Little Creek (Continued)	
expanded, support equipment and boats will have to be stored outside the building in unsecured areas accessible to both military and civilian personnel, exposing them to damage from vandalism. This project enlarges and weatherizes a building to provide storage, maintenance, and repair space for ship handling trainers. (Current mission.)			
Subtotal - Virginia			800
<u>Washington</u>			
860.40	P-057	Crane Trackage Extension, TRIDENTREFITFAC Bangor	910
An additional crane rail spur is required to park additional cranes and allow remaining cranes full access to main crane rails. This extension will also be used as a place to do maintenance on cranes. Currently, there are two 56-ton cranes on the Delta Pier. These cranes will be upgraded to 85-ton each and two 25-ton cranes have been purchased. Without sufficient storage space for cranes, crane travel is severely restricted, and maintenance must be performed while the crane is on the main track, disrupting other operations. Portions of the building and the drydock covers prevent easy passage of the cranes. As berthing activities increase, crane use will intensify. The crane rail extension is essential for efficient refit of TRIDENT submarines, enabling the removal of one of four cranes from the main tracks for passage or maintenance. This project provides an additional crane rail spur on Delta Pier. (Current mission.)			
Subtotal - Washington			910
Total - Inside the United States			10,340
(Continued on DD 1391c)			

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
PROJECTS \$1 MILLION AND UNDER		VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
<u>Outside the United States</u>			
<u>Japan</u>			
843.10	P-001	Fire Protection System, NSGA Hanza, Okinawa	1,000
<p>The operations building at this activity is currently equipped with manual carbon dioxide hose reels, a Halon flooding system, and a carbon dioxide flooding system. Current criteria specifies that such gaseous systems are not a substitute for sprinkler systems. An automatic fire protection system is required to protect high-value electronic equipment where combustible materials are processed or stored in adjacent areas. A pumping station and water storage tank is necessary to boost and maintain adequate water pressure. This project will install an automatic fire protection system, including a water storage tank, pumping station, an appropriate alarm system throughout the operations building. This project includes upgrading fire walls, doors, and corridors to meet the safety code. A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for Japanese Facility Improvement Program (JFIP) funding. (Current mission.)</p>			
Subtotal - Japan			1,000
<u>Puerto Rico</u>			
131.55	P-069	Operations Building Addition, NSGA Sabana Seca	810
<p>Documentation and equipment require continual updating to maintain current communications, relay, security, and assistance to the fleet and other components in the area. Constant advancements in signal intelligence (SIGINT) technology and projects with new equipment require additional operational space. Planned installation of SIGINT systems such as SEAMARK, NEWSDEALER, FLAGHOIST, and COMEB will be negatively impacted by the lack of space. Sensitive electronic components require environmentally controlled storage space while awaiting installation. Currently,</p>			
(Continued on DD 1391c)			

1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
PROJECTS \$1 MILLION AND UNDER		VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
<u>Puerto Rico (Continued)</u>			
131.55	P-069	Operations Building Addition, NSGA Sabana Seca (Continued)	
<p>the equipment is stored in inadequate space without necessary environmental controls. The extreme heat and humidity levels cause corrosion and deterioration. A central depository for classified technical publications required for mission operations does not exist. This project provides an operations building addition to accommodate new SIGINT equipment installations, controlled humidity storage space for SIGINT equipment, and technical publications handling area and library. Without the additional space provided by this project, mission critical SIGINT operational systems will not have sufficient space for installation and cause serious degradation of operational capability. Corrosion and environmentally sensitive electronic equipment will continue to sustain damage because of exposure to high temperatures and humidity. Additionally, without the publications handling area and a classified library, sensitive technical material handling will continue with adverse security risks. (Current mission.)</p>			
Subtotal - Puerto Rico			810
<u>United Kingdom</u>			
610.10	P-610	Pay and Personnel Support Office, PERSUPPACT London	500
<p>The pay and personnel source data system is a standard automated information system being installed world-wide to support the operation of personnel support activities. Existing space cannot accommodate the necessary computers and peripheral equipment. This project will provide the space necessary to house this equipment. A bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new or alterations to existing facilities for U.S. requirements shall be the responsibility of the U.S., except when construction is eligible for NATO Common Infrastructure.</p>			
(Continued on DD 1391c)			

1. COMPONENT		3. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
2. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
PROJECTS \$1 MILLION AND UNDER		VARIOUS	
CATEGORY CODE	PROJECT NUMBER	PROJECT TITLE/INSTALLATION/LOCATION	COST (\$000)
<u>United Kingdom (Continued)</u>			
610.10	P-610	Pay and Personnel Support Office, PERSUPPACT London (Continued)	
funding. Prefinancing under NATO procedures is not planned for this project as it is not within an established NATO infrastructure category for common funding, nor is it expected to become eligible. (Current mission.)			
Subtotal - United Kingdom			500
Total - Outside the United States			2,310
<u>Various Locations</u>			
610.10	P-091	Host Nation Infrastructure Support,	1,000
The host nation support required varies for each individual NATO project. Since the total requirement for each NATO project cannot be determined at the project's inception, these funds will be used to cover non-NATO eligible expenses such as host nation costs, life safety, functional utility/livability, energy, administrative expenses, design support, joint formal acceptance inspection and audit, currency fluctuation losses, and restoration floor.			
Subtotal - Various Location			1,000
Grand Total - Projects \$1 Million and Under			13,650

# FAMILY HOUSING

"N" FAMILY HOUSING

DEPARTMENT OF NAVY  
MILITARY FAMILY HOUSING  
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DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE  
AUTHORIZATION FOR APPROPRIATION REQUESTED  
(\$000)

<u>FUNDING PROGRAM</u>		<u>FY 1991</u>
Construction of New Housing		149,023
Construction Improvements		43,951
A & E Services and Construction Design		<u>1,500</u>
Appropriation Request, Family Housing <u>Construction</u>		196,474
Operations and Maintenance		614,014
Operating Expense	116,878	
Utilities	183,095	
Maintenance	314,041	
Leasing		66,421
Domestic	39,810	
Foreign	26,611	
Debt Payment		198
Principal	0	
Interest and Other Expense	0	
Servicemen's Mortgage Insurance Premiums for Existing Coverage	198	
Appropriation Request, Family Housing <u>Support</u>		680,633
Total Family, Housing, Navy, Appropriation Request		877,107
Reimbursable Authority Requirements		12,093
Total Family Housing, Department of Navy Program		889,200



DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 1991 BUDGET SUMMARY  
PROGRAM SUMMARY

(In Thousands)

FY 1991 Program \$889,200  
FY 1990 Program \$770,200

Purpose and Scope

This program provides for the support of military family housing functions within the Department of Navy.

Program Summary

Authorization is requested for:

- (1) The performance of certain construction summarized hereafter;  
and
- (2) The appropriation of \$889,200,000:
  - (a) to fund this construction; and
  - (b) to fund partially certain other functions already authorized in existing legislation.

A summary of the funding program for Fiscal Year 1991 follows (\$000):

<u>Program</u>	<u>Navy</u>	<u>Marine Corps</u>	<u>DON Total</u>
<u>Construction</u>			
Appropriation Request	180,273	16,201	196,474
Reimbursements	--	--	--
Total Program	<u>180,273</u>	<u>16,201</u>	<u>196,474</u>
<u>Operations, Utilities, Maintenance and Leasing</u>			
Appropriation Request	571,116	109,319	680,435
Reimbursements	10,393	1,700	12,093
Total Program	<u>581,509</u>	<u>111,019</u>	<u>692,528</u>
<u>Debt Payment</u>			
Appropriation Request	189	9	198
Reimbursements	--	--	--
Total Program	<u>189</u>	<u>9</u>	<u>198</u>
<u>Total</u>			
Appropriation Request	751,578	125,524	877,107
Reimbursements	10,393	1,700	12,093
Total Program	<u>761,971</u>	<u>127,224</u>	<u>889,200</u>

FH-7 574

Family Housing, Navy and Marine Corps

For expenses of family housing for the Navy and Marine Corps for construction, including acquisition, replacement, addition, expansion, extension and alteration and for operation and maintenance, including debt payment, leasing, minor construction, principal and interest charges, and insurance premiums, as authorized by law, as follows: for Construction, [\$244,181,000] \$127,738,000; for Operation and maintenance, and for debt payment, [\$554,988,000] \$630,545,000; in all [\$799,169,000], \$758,283,000: Provided, That the amount provided for construction shall remain available until September 30, [1993; Provided further, That of this amount, not to exceed \$50,000 shall be available to liquidate obligations incurred for debt payment during fiscal year 1987] 1994.

Further, for the foregoing purposes, as follows: for Construction, \$196,474,000; for Operation and maintenance, and for debt payment, \$680,633,000; in all \$877,107,000, to become available for obligation on October 1, 1990: Provided, That the amount provided for construction shall remain available until September 30, 1995. (10 U.S.C. 2824, 2827-29, 2831, 2851-54, 2857; Military Construction Appropriations Act, 1989; additional authorizing legislation to be proposed.)

Family Housing Construction, Navy  
Program and Financing (in thousands of dollars) FISCAL YEAR 1984

Identification code	17-7030-0-1-051	Budget Plan (amounts per FAMILY HOUSING actions program)				Obligations	
		1980 actual	1980 est.	1991 est.	1990 est.	1990 est.	1991 est.
Program by activities:							
Direct program:							
01.0101	Construction of new housing				1990 actual	875	
01.0201	Post-acquisition construction					380	
01.0301	Planning and design					1,236	
10.0001	Total					2,491	
Financing:							
Unobligated balance available, start of year:							
21.4002	Unobligated balance available, start of year:					-3,870	
21.4003	Reprogramming from prior year budget plans	-1,506					
25.0001	Unobligated balance lapsing	1,506				1,506	
29.0001	Budget authority						

Family Housing Construction, New  
Program and Financing (in thousands)

		FISCAL YEAR 1985				Deletions	
		Budget Plan (amounts for FAMILY HOUSING actions program)					
Identification code		1980 actual	1980 est.	1981 est.	1982 actual	1982 est.	1983 est.
Program activities:							
Direct program:							
01.0101	Construction of new housing				2,602	636	
01.0201	Post-acquisition construction				52	247	
01.0301	Planning and design				1,776	558	
10.0001	Total				4,430	1,441	
Financing:							
Unobligated balance available, start of year:							
21.4002	For completion of prior year budget plans				-8,919	-1,481	
21.4003	Unobligated balance available, end of year:				-400		
24.4002	For completion of prior year budget plans				1,481		
40.0017	Budget authority (appropriation restricted)				-400		

**Family Housing Construction, Navy  
Program Financing (Continued)**

Identification code	17-7630-0-1-001	Budget Plan (amounts for FAMILY HOUSING actions programmed)				Obligations			
		1980 actual	1980 est.	1990 est.	1991 est.	1980 actual	1980 est.	1990 est.	1991 est.
Program by activities:									
Direct program:									
01-0101	Construction of new housing					5,097		847	37
01-0201	Post-Application Construction					976		674	3,210
01-0301	Planning and design					400		941	
10-0001	Total					7,446		2,462	3,756
Financing:									
21-4002	Unobligated balance available, start of year:								
21-4003	For completion of prior year budget plans	-8,800				-13,064		-8,210	-3,756
21-4005	Available to finance new budget plans					-8,800			
24-4002	Unobligated balance available, start of year:								
24-4003	For completion of prior year budget plans					6,210		3,756	
40-0017	Budget authority (appropriation rescinded)	-8,800				-8,800			

Family Housing Construction, Navy  
Program and Financing (in thousands of dollars) FISCAL YEAR 1967

Identification code	17-7020-0-1-051	Budget Plan (amounts for FAMILY HOUSING actions programmed)				Obligations			
		1969 actual	1969 est.	1970 est.	1980 actual	1980 est.	1980 est.	1991 est.	
Program by activities:									
Direct program:									
01.0101	Construction of new housing				46,075		0,043	4,000	
01.0201	Post-acquisition Construction				15,281		0,001	110	
01.0201	Planning and design				1,048		318	150	
10.0001	Total				62,304		0,061	5,120	
Financing:									
Unobligated balance available, start of year:									
21.4002	For completion of prior year budget plans				-83,302		-20,010	-5,120	
21.4003	Available to finance new budget plans	-33			-30				
22.4001	Unobligated balance transferred to other accounts	30			30				
24.4002	Unobligated balance available, end of year:				20,018		11,990	5,120	
24.4002	For completion of prior year budget plans								
26.0001	Budget authority								

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**Family Housing Construction, Navy  
Program and Financing (in thousands of dollars) FISCAL YEAR 1968**

Identification code	17-1020-0-1-05)	Budget Plan (amounts for Family HOUSING actions programmed)				Outlays	
		1968 actual	1969 est.	1970 est.	1971 est.	1968 actual	1969 est.
Program by activities:							
Direct program:							
01.0101	Construction of new housing	192,664				91,429	92,071
01.0201	Post-acquisition Construction	39,472				21,055	3,087
01.0301	Planning and design	6,748				1,748	876
10.0001	Total	238,884				115,042	97,503
Financing:							
21.0001	Unobligated balance available, start of year:						
22.0001	Completion of prior year budget plans						
23.0001	Unobligated balance transferred from other accounts (-)	-30				-30	-123,344
24.0002	Unobligated balance available, start of year:						
25.0001	For completion of prior year budget plans						
30.0001	Budget authority	238,884				123,344	35,761
40.0001	Budget authority:					238,884	
40.0001	Appropriation	237,914				237,914	
41.0001	Transferred to other accounts(-)	400				-400	
42.0001	Transferred from other accounts	672				642	
43.0001	Appropriation (adjusted)	238,356				238,356	

**Family Housing Construction, Navy  
Program and Accounting (in thousands of dollars) FISCAL YEAR 1960**

Identification code	17-7030-0-1-001	Budget Plan (amounts for Family Housing actions programmed)				Obligation	
		1968 actual	1969 est.	1969 act.	1969 actual	1969 est.	1969 act.
Program by activities:							
Direct program:							
01-0181	Construction of new housing	186,866			74,192	79,872	16,700
01-0201	Post-acquisition Construction	35,000			46,192	6,156	3,840
01-0201	Planning and design	2,125			7,736	5,522	1,225
10-0001	Total	244,181			122,000	85,483	19,534
Financing:							
21-4002	Unobligated balance available, start of year:						
	Unobligated balance available, prior year budget plans					-122,000	-30,637
24-4002	Unobligated balance available, end of year:						
	Unobligated balance available, prior year budget plans				122,000	30,637	17,063
40-0001	Budget authority (appropriation)	244,181			244,181		



Program Family Housing Construction, Navy  
and Housing (in thousands of dollars) FISCAL YEAR 1960

Identification code	17-7020 0 1-05)	Budget plan (amounts for FAMILY HOUSING actions proposed)				Obligations	
		1959 actual	1959 est.	1960 est.	1961 est.	1960 est.	1961 est.
Program by activities:							
Disbursements:							
01.0101	Construction of new housing			84,452		31,616	46,230
01.0201	Post-acquisition Construction			47,086		31,503	4,278
01.0301	Planning and design			1,000		750	100
10.0001	Total			127,738		63,869	44,708
Financing:							
21.4002	Unobligated balance available, start of year, For completion of prior year budget plans						-83,800
24.4002	Unobligated balance available, end of year, For completion of prior year budget plans					63,869	19,161
40.0001	Budget authority (appropriation)			127,738		127,738	



**Family Housing Construction, Navy  
Program and Financing (in thousands of dollars) SUMMARY**

Identification Code	17-7030-0-1-051	Budget Plan (amounts for family housing actions programmed)				Outlays			
		1968 actual	1969 est.	1970 est.	1971 est.	1968 actual	1969 est.	1970 est.	1971 est.
Program by activities:									
Direct programs:									
01.0101	Construction of new housing	107,406	105,000	84,052	140,023	146,703	150,017	132,040	127,514
01.0201	Post-acquisition Construction	39,477	5,000	47,000	45,951	30,510	50,701	44,730	47,000
01.0202	Planning and design	8,240	2,215	1,000	1,500	6,300	4,219	1,471	1,771
10.0001	Total	235,123	244,181	127,730	196,474	181,001	222,536	179,020	177,152
Financing:									
21.0002	Unobligated balance available, start of year:								
21.0003	For completion of prior year budget plans	-9,220				-100,702	-151,001	-173,000	-122,324
21.0007	Unobligated balance available, end of year:	-1,586				-9,730			
24.0002	For completion of prior year budget plans								
25.0001	Unobligated balance ending	1,550				151,001	173,000	122,324	141,046
39.0001	Budget authority		244,181	127,730	196,474	229,156	244,181	127,730	196,474
40.0001	Budget authority:								
40.0017	Appropriation								
41.0001	Unobligated balance, start of year	237,014	244,181	127,730	196,474	237,014	244,181	127,730	196,474
41.0003	Unobligated balance, end of year	-9,200				-9,200			
42.0001	Transferred to other accounts	-400				-400			
42.0002	Transferred from other accounts	842				842			
42.0003	Appropriation (adjusted)		244,181	127,730	196,474	229,156	244,181	127,730	196,474
Revelation of obligations to outlays:									
71.0001	Outlays incurred, net								
72.0001	Unobligated balance, start of year					191,001	222,536	179,020	177,152
73.0001	Unobligated balance, end of year					145,570	180,210	240,934	200,750
74.0001	Unobligated balance, start of year					-192			
75.0001	Unobligated balance, end of year					-190,210	-240,934	-200,750	-207,000
76.0001	Adjustments in expired accounts					410			
90.0001	Outlays					139,270	173,010	210,190	170,000

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Family Housing Construction, Navy  
Object Classification (in thousands of dollars) Summary

Identification code	17-1030-0-1-001	1960 actual	1962 est.	1966 est.	1991 est.
Direct obligations:					
129-002 Other services:		9,420	9,072	7,432	8,002
129-003 Construction:		2,104	2,711	2,600	2,720
129-004 Other:		181,063	209,353	109,579	106,170
129-001 Land and structures:					
199-001 Total Direct obligations		191,001	222,536	179,020	177,152
999-001 Total obligations		191,001	222,536	179,020	177,152

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NEW CONST AND  
IMPROVEMENTS

## NEW CONSTRUCTION AND IMPROVEMENTS

DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE  
CONSTRUCTION OF NEW HOUSING

(In Thousands)

FY 1991 Program \$149,023  
FY 1990 Program \$ 84,652

Purpose and Scope

This program provides for land acquisition, site preparation, acquisition and construction, and initial outfitting with fixtures and integral equipment of new family housing units and associated facilities such as roads, driveways, walks, utility systems, solar energy systems, and community and recreational facilities.

Program Summary

Authorization is requested for:

(1) Construction of 1,228 units of family housing, three family housing offices, and two community centers, and

(2) Appropriation of \$149,023,000 to fund this construction.

1. COMPONENT <b>NAVY</b>		FY 19 <sup>91</sup> <b>MILITARY CONSTRUCTION PROGRAM</b>					2. DATE				
3. INSTALLATION AND LOCATION <b>MARINE CORPS BASE CAMP PENDLETON, CA</b>					4. COMMAND		5. AREA CONSTR. COST INDEX <b>1.21</b>				
6. PERSONNEL STRENGTH:		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF <b>30 SEP 87</b>		<b>420</b>	<b>2772</b>	<b>1556</b>	<b>10</b>	<b>5338</b>	<b>0</b>	<b>2169</b>	<b>25591</b>	<b>778</b>	<b>38634</b>
b. END FY 19 93		<b>609</b>	<b>3303</b>	<b>1989</b>	<b>66</b>	<b>3964</b>	<b>0</b>	<b>1991</b>	<b>26515</b>	<b>2197</b>	<b>40634</b>
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE..... <b>186,078</b>											
b. INVENTORY TOTAL AS OF 30 SEP 1987..... <b>227,645</b>											
c. AUTHORIZATION NOT YET IN INVENTORY..... <b>63,700</b>											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM..... <b>11,750</b>											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM..... <b>13,500</b>											
f. PLANNED IN NEXT THREE PROGRAM YEARS..... <b>30,500</b>											
g. REMAINING DEFICIENCY..... <b>263,290</b>											
h. GRAND TOTAL..... <b>623,885</b>											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START      COMPLETE							
711	Family Housing	112	11,750	Turnkey							
9. <u>Future Projects:</u>											
a. Included in following program (FY92)      136 units											
b. Major planned next three years (FY93)(FY94) 320 units											
10. <u>Mission or Major Functions:</u> Provide training facilities, logistical support, and certain administrative support for Fleet Marine Force units and other units assigned. Conduct specialized schools and other training as directed to receive and process trainees; and conduct individual combat training as required.											

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP PENDLETON, CA				4. PROJECT TITLE FAMILY HOUSING		
5. PROGRAM ELEMENT		6. CATEGORY CODE 711	7. PROJECT NUMBER H-890	8. PROJECT COST (\$000) 11,750		
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
FAMILY HOUSING:		FA	112	71,679	8,028	
BUILDINGS		SF	142,500	56.34	( 8,028 )	
SOLAR SYSTEM		FA			( 0 )	
SUPPORTING COSTS:					2,579	
PAVING & SITE IMPROVEMENTS					( 1,437 )	
UTILITIES					( 859 )	
LANDSCAPING					( 115 )	
RECREATION					( 97 )	
SPECIAL CONSTRUCTION FEATURES					( 70 )	
DEMOLITION					( 0 )	
SUB TOTAL					10,697	
CONTINGENCY (5%)					530	
TOTAL CONTRACT COST					11,137	
SUPERVISION, INSPECTION, & OVERHEAD (5.5%)					613	
TOTAL REQUEST					11,750	
TOTAL REQUEST (ROUNDED)					11,750	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Two story family housing units; wood frame or masonry with stucco or pre-finished siding, covered parking, patios, exterior storage, privacy fencing and recreational facilities. An environmental Assessment has been completed and a FONSI was published on 6/10/88. Special construction features include seismic bracing.						
	Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units (\$000) Total
	JEM	3	1200	1.1737	\$48.00	58 3,921
	SEM	3	1350	1.1737	\$48.00	54 4,107
						112 8,028
11. REQUIREMENT: 14295 FA ADEQUATE: 11353 FA SUBSTANDARD: 0 FA						
<u>Project:</u> Provide 112 adequate family housing units for enlisted personnel. (Current mission.)						
<u>Requirement:</u> Adequate family housing for married personnel.						
<u>Current Situation:</u> A current deficit of 2,942 adequate housing units exists for enlisted personnel. This deficit is projected to stay at the same level in FY-92. There is an extreme shortage of affordable, suitable housing in the private community for enlisted personnel.						
<u>Impact if Not Provided:</u> There will be an adverse impact on the effectiveness						



1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION MARINE CORPS BASE, CAMP PENDLETON, CA		
4. PROJECT TITLE FAMILY HOUSING		5. PROJECT NUMBER H-890
<p>MCB CAMP PENDLETON, CA (Continued)</p> <p><u>IMPACT IF NOT PROVIDED:</u> of mission accomplishment and career retention efforts if we do not provide additional housing.</p> <p>Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".</p> <p>Family Housing Requirement coordinated with Local School District. Additional educational facilities will not be required.</p>		

MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT (FPMR) 880915		2. FISCAL YEAR 1991		REPORT CONTROL SYMBOL DD-AAL(AH)1716	
3. DOD COMPONENT NAVY		4. REPORTING INSTALLATION a. NAME MCB Camp Pendleton		b. LOCATION California					
5. DATA AS OF 31 JANUARY 1988									
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED				
	OFFICER (a)	EO-04 (b)	EO-11 (c)	TOTAL (d)	OFFICER (a)	EO-04 (b)	EO-11 (c)	TOTAL (d)	
6. TOTAL PERSONNEL STRENGTH	3290	18561	18893	40734	3547	20213	21309	45069	
7. PERMANENT PARTY PERSONNEL	3090	16745	16674	36509	3112	14704	17971	35787	
8. GROSS FAMILY HOUSING REQUIREMENTS	2124	11026	4414	17564	2138	9675	4752	16575	
9. TOTAL UNACCEPTABLY HOUSED (e + b + c)	993	3296	860	5149					
a. INVOLUNTARILY SEPARATED	22	90	184	296					
b. UNACCEPTABLY HOUSED - MILITARY ASSETS	0	0	0	0					
c. UNACCEPTABLY HOUSED - COMMUNITY ASSETS	971	3206	676	4853					
10. VOLUNTARY SEPARATIONS	27	66	61	154	27	75	67	169	
11. EFFECTIVE HOUSING REQUIREMENTS	2097	10960	4353	17410	2111	9600	4695	16406	
12. ADEQUATE HOUSING (e + d)	1654	8063	2449	12166	1773	8018	3447	13238	
a. UNDER MILITARY CONTROL	525	3718	26	4269	633	3474	874	4981	
(1) Housed in Existing DOD Owned/Controlled	523	3463	26	4012	633	2978	658	4269	
(2) Under Contract/Approved					0	496	216	712	
(3) Vacant	2	48	0	50					
(4) Inactive	0	207	0	207					
b. PRIVATE HOUSING	1129	4345	2423	7897	1140	4544	2573	8257	
(1) Acceptably Housed	1112	4309	2342	7763	1112	4309	2342	7763	
(2) Vacant Rental Housing	17	36	81	134	28	235	231	494	
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	443	2897	1904	5244	338	1582	1248	3168	
14. PROPOSED PROJECT					0	112	0	112	
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				30.0%	37.4%	18.6%	31.0%	
	b. ALL HOUSING				84.0%	84.7%	73.4%	81.4%	
16. REMARKS (Specify report numbers) Line 4: MCB Camp Pendleton, CA, is located approximately 35 miles north of San Diego and about 100 miles south of Los Angeles; is adjacent to the Pacific Ocean. The Camp Pendleton boundaries abut the City of San Clemente on the north, Oceanside and Carlsbad on the south, and Vista and Palbrook on the east. MCB Camp Pendleton's mission is to provide training facilities,									

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Previous editions are obsolete.

(Continued on reverse)

16. REMARKS (Continued)

logistical support, and certain administrative support for Fleet Marine Force units and other units assigned; to conduct specialized schools and other training as directed; to receive and process trainees and conduct individual combat training as directed.

Line 12.a.(2): Col. h reflects 268 units included in the FY88 budget submission and 332 units included in the FY89 budget submission.

Line 12.h.(2): Cols. e through g reflect anticipated growth in community assets.

Project Composition

112 Enlisted Units	58 3-bedroom JEM
	54 3-bedroom SEM
	<u>112 Total Units</u>

1. COMPONENT <b>NAVY</b>		FY 19 <sup>91</sup> <b>MILITARY CONSTRUCTION PROGRAM</b>				2. DATE					
3. INSTALLATION AND LOCATION <b>NAVAL STATION LONG BEACH, CA</b>				4. COMMAND		5. AREA CONST. COST INDEX <b>1.19</b>					
6. PERSONNEL STRENGTH:		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF <b>31 JAN 88</b>		<b>1400</b>	<b>15331</b>	<b>4835</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>131</b>	<b>1268</b>	<b>0</b>	<b>22966</b>
b. END FY 19 93		<b>1240</b>	<b>12794</b>	<b>4822</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>131</b>	<b>1268</b>	<b>0</b>	<b>20256</b>

7. INVENTORY DATA (\$000)	
a. TOTAL ACREAGE.....	1,331
b. INVENTORY TOTAL AS OF 30 SEP 1988 .....	87,406
c. AUTHORIZATION NOT YET IN INVENTORY.....	47,110
d. AUTHORIZATION REQUESTED IN THIS PROGRAM .....	24,900
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM .....	0
f. PLANNED IN NEXT THREE PROGRAM YEARS .....	27,467
g. REMAINING DEFICIENCY .....	25,004
h. GRAND TOTAL .....	211,887

8. PROJECTS REQUESTED IN THIS PROGRAM:					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS	
				START	COMPLETE
711	Family Housing	300	24,900	Turnkey	

9. Future Projects:	
a. Included in following program (FY92)	None
b. Major planned next three years (FY94)	300 units

10. Mission or Major Functions: NAVSTA Long Beach provides logistic support for the operating forces of the Navy and for dependent activities and other commands as assigned. Services range from providing ships with berths, fuel and water, to providing recreation facilities for military personnel. The Pay and Personnel Administrative Support System Detachment receives, processes, and transfers personnel, both fleet and shore based. NAVSTA Long Beach is also responsible for the Housing Department, Navy Exchange, Commissary Store, Station Housekeeping, waterfront and harbor.

1. COMPONENT NAVY		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA				2. DATE	
3. INSTALLATION AND LOCATION NAVAL STATION LONG BEACH, CA				4. PROJECT TITLE FAMILY HOUSING			
5. PROGRAM ELEMENT		6. CATEGORY CODE 711	7. PROJECT NUMBER H-614		8. PROJECT COST (\$000) 24,900		
9. COST ESTIMATES							
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)		
FAMILY HOUSING:		FA	300	53.73	16,121		
BUILDINGS		SF	294,000	54.81	(16,121)		
SOLAR SYSTEM		FA			(0)		
SUPPORTING COSTS:					6,360		
PAVING & SITE IMPROVEMENTS					(2,869)		
UTILITIES					(2,418)		
LANDSCAPING					(396)		
RECREATION					(193)		
SPECIAL CONSTRUCTION FEATURES					(484)		
DEMOLITION					(0)		
SUB TOTAL					22,481		
CONTINGENCY (5%)					1,121		
TOTAL CONTRACT COST					23,605		
SUPERVISION, INSPECTION, & OVERHEAD (5.5%)					1,298		
TOTAL REQUEST					24,903		
TOTAL REQUEST (ROUNDED)					24,900		
10. DESCRIPTION OF PROPOSED CONSTRUCTION							
Two story family housing units; wood frame or masonry with stucco or pre-finished siding, covered parking, patios, exterior storage, privacy fencing and recreational facilities.							
Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	(\$000) Total	
JEM	2	950	1.1424	\$48.00	250	13,023	
SEM	2	950	1.1424	\$48.00	30	1,563	
SEM	3	1350	1.1424	\$48.00	10	740	
SEM	4	1450	1.1424	\$48.00	10	795	
					300	16,121	
11. REQUIREMENT: 4662 FA ADEQUATE: 1999 FA SUBSTANDARD: 254 FA							
Project: Provide 300 adequate family housing units for enlisted personnel. This includes the replacement of 254 substandard units. (Current mission.)							
Requirement: Adequate family housing for married personnel.							
Current Situation: The housing requirement at Long Beach is critical and long-standing. Over 1,500 families are currently waiting 12-18 months for assignment to existing Navy housing. The private community in the greater							

1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL STATION LONG BEACH, CA			
4. PROJECT TITLE		5. PROJECT NUMBER	
FAMILY HOUSING		H-614	
NAVAL STATION, LONG BEACH, CA (Continued)			
<p><u>CURRENT SITUATION:</u> (Continued) Los Angeles/Long Beach area is huge, with a large and diverse housing supply. However, sale housing in this area is among the most expensive in this country, priced beyond the means of enlisted and many officer families.</p> <p>Rental housing vacancy rates average about 2%. Affordable rentals in downtown Long Beach are old and poorly maintained. Land values are such that the relatively few new rental developments are primarily deluxe units priced beyond the means of military families. Against this backdrop, Section 2736 of Public Law 99-661 authorized the exchange of a portion of the Navy's Savannah Housing area to the City of Long Beach for an adjacent vacant parcel of City-owned land. This housing area features 254 single-story, duplex structures built in 1940. These units are aging, small and obsolete. This project proposes to execute the authorized land exchange and accomplish the replacement of these substandard units. In addition, 46 units will be constructed to help offset the deficit. The navy will benefit in that more land would be gained than would be given up, which is a critical consideration in this area where Government-owned land is scarce. Moreover, substandard units will be removed from the inventory.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The Navy will continue to own 254 substandard family housing units. Absent the authority to replace these units, the Navy will continue to operate and maintain these units in order to keep them occupied. Continued operation and maintenance of these units is not economical compared to replacement. If the Navy is not allowed to construct additional units as an offset to the deficit, military members will be forced to choose between involuntary separation from their families, accepting housing that is unaffordable or unsuitable. Either choice will lead to dissatisfaction with the Navy. Retention will be adversely impacted.</p> <p>Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".</p> <p>Necessary coordination with school district is in progress.</p>			

MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT 17 JAN 88 880915	2. FISCAL YEAR 1991	REPORT CONTROL SYMBOL DD-AMJ(A)1716		
3. DOD COMPONENT NAVY		4. REPORTING INSTALLATION a. NAME NS Long Beach		b. LOCATION California				
5. DATA AS OF 31 January 1988								
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OFFICER (a)	PO-SS (b)	ES-ES (c)	TOTAL (d)	OFFICER (e)	PO-SS (f)	ES-ES (g)	TOTAL (h)
6. TOTAL PERSONNEL STRENGTH	1531	10487	6112	18130	1371	9207	4822	15400
7. PERMANENT PARTY PERSONNEL	1400	9653	5676	16731	1240	8375	4419	14034
8. GROSS FAMILY HOUSING REQUIREMENTS	917	6161	1213	8291	807	5360	915	7082
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	112	1926	591	2629				
a. INVOLUNTARILY SEPARATED	31	349	158	538				
b. UNACCEPTABLY HOUSED - MILITARY ASSETS	0	181	73	254				
c. UNACCEPTABLY HOUSED - COMMUNITY ASSETS	81	1396	360	1837				
10. VOLUNTARY SEPARATIONS	244	1627	264	2135	215	1415	199	1829
11. EFFECTIVE HOUSING REQUIREMENTS	673	4534	949	6156	592	3945	716	5253
12. ADEQUATE HOUSING (a + b)	576	2756	431	3763	573	3320	431	4324
a. UNDER MILITARY CONTROL	194	1399	0	1593	194	1999	0	2193
(1) Housed in Existing DOD Owned/Controlled	176	1364	0	1540	194	1399	0	1593
(2) Under Contract/Approved					0	600	0	600
(3) Vacant	18	35	0	53				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	382	1357	431	2170	379	1321	431	2131
(1) Acceptably Housed	379	1321	431	2131	379	1321	431	2131
(2) Vacant Rental Housing	3	36	0	39	0	0	0	0
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	97	1778	518	2393	19	625	285	929
14. PROPOSED PROJECT					0	300	0	300
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				32.8%	58.3%	0.0%	47.5%
	b. ALL HOUSING				96.8%	91.8%	60.2%	88.0%
16. REMARKS (Specify item number) Line 4: The Naval Station, Long Beach, California, provides logistical support to the operating forces of the Navy as well as dependent activities. Services range from providing ships with berthing, fuel, and water to recreational facilities. Naval Station Long Beach is situated approximately two miles west of downtown Long Beach. The community population exceeds two								

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Previous editions are obsolete.

(Continued on reverse)

16. REMARKS (Continued)

million. The local economy consists primarily of space, missile, and aircraft industries; oil refineries; manufacturing companies; shipyards and steamship companies. Long Beach is one of the busiest ports in the world.

Project Composition

300 Enlisted Units	250 2-bedroom JEM
	30 2-bedroom SEM
	10 3-bedroom SEM
	10 4-bedroom SEM
	<u>300</u> Total Units



1. COMPONENT NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROGRAM						2. DATE			
3. INSTALLATION AND LOCATION PACIFIC MISSILE TEST CENTER POINT MUGU, CA						4. COMMAND		5. AREA CONSTR. COST INDEX 1.18			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88		369	2055	4465	3	5	0	104	317	0	7318
b. END FY 19 93		398	2175	4465	0	0	0	84	424	0	7546
7. INVENTORY DATA (000)											
a. TOTAL ACREAGE.....											47,945
b. INVENTORY TOTAL AS OF 30 SEP 1988.....											47,945
c. AUTHORIZATION NOT YET IN INVENTORY.....											0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM.....											480
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM.....											0
f. PLANNED IN NEXT THREE PROGRAM YEARS.....											0
g. REMAINING DEFICIENCY.....											0
h. GRAND TOTAL.....											48,425
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE		PROJECT TITLE				SCOPE		COST \$000		DESIGN STATUS START      COMPLETE	
714-30		Family Housing Office				5,000 SF		480.0		3/90      12/90	
9. Future Projects:											
a. Included in following program (FY92)								None			
b. Major planned next three years								None			
10. Mission or Major Functions: PMTC provides research and development, logistics, technical support, and training facilities for Naval weapons systems, and related devices, in support of the fleet and other department of defense agencies.											

1. COMPONENT NAVY		FY 1981 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION PACIFIC MISSILE TEST CENTER POINT MUGU, CA			4. PROJECT TITLE HOUSING OFFICE		
5. PROGRAM ELEMENT	6. CATEGORY CODE 714-30	7. PROJECT NUMBER HC-01-87	8. PROJECT COST (\$000) 480		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
HOUSING OFFICE. . . . .	SF	5,000	80.96	405	
SUPPORTING FACILITIES . . . . .	LS	-	-	29	
SUBTOTAL. . . . .	-	-	-	433	
CONTINGENCY (5%). . . . .	-	-	-	22	
TOTAL CONTRACT COST . . . . .	-	-	-	455	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	25	
TOTAL REQUEST . . . . .	-	-	-	480	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Construct a Family Housing Office at Pacific Missile Test Center (PMTTC), Point Mugu, California. The new housing office will include space for a briefing room, offices, storage of self-help materials and maintenance rooms. Demolition of the inadequate storage building will also be accomplished. This project will impose no dislocation of services during the actual construction process.					
11. REQUIREMENT: A family housing office which is efficiently designed to provide the best support services to military families in the Point Mugu, California area. (Current mission.)					
CURRENT SITUATION: The existing housing office which is over 35 years old and inadequate to meet the requirements of an administrative office and ancillary space. There is little privacy for incoming military members and their families. Meetings, conferences and self-help training is often held in the open office area space. There is no safe and secure space for computer equipment, storage of equipment and office/janitorial supplies. The parking areas are inadequate and, at times, flood. The existing building provides one-half of the office space required to adequately meet the requirements of the family housing staff and their customers.					

1. COMPONENT	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE
NAVY			
3. INSTALLATION AND LOCATION			
PACIFIC MISSILE TEST CENTER POINT MUGU, CA			
4. PROJECT TITLE		5. PROJECT NUMBER	
HOUSING OFFICE		HC-01-87	
PACIFIC MISSILE TEST CENTER, POINT MUGU, CA (Continued)			
<p><b>IMPACT IF NOT PROVIDED:</b> The mission of PMTC is to perform development test and evaluation, development support, and follow-on engineering, logistics, and training support for naval weapons, weapons systems, and related devices, and to provide major range, technical, and base support for fleet users and other Department of Defense and government agencies.</p> <p>In addition, PMTC serves an effective instrument of United States foreign policy by initiating and continuing action programs which promote positive relations between the command and foreign nationals, and which assist individual naval personnel and their families to work effectively, live with dignity and satisfaction, and function as positive representatives of the Navy and the United States.</p> <p>The Point Mugu Family Housing Office is one of the first points of contact for military members and their families upon assignment to this high tech command. At PMTC military members and their families first impressions of this high tech installation will demise upon viewing this old worn out building. Studies have demonstrated that the condition of shore support facilities impacts retention. Housing office personnel will continue to work in crowded stress related conditions impacting their attitudes and service to military families.</p> <p>Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".</p>			

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROGRAM				2. DATE	
3. INSTALLATION AND LOCATION PUBLIC WORKS CENTER SAN DIEGO, CA				4. COMMAND		5. AREA CONSTR COST INDEX 1.21	
6. PERSONNEL STRENGTH:		PERMANENT		STUDENTS		SUPPORTED	
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN
a. AS OF 31 JAN 88		8378	19787	17780	1360	19525	0
b. END FY 1993		8448	17364	17775	1517	21670	0
						332	4251
						386	4588
							0
							101423
							101748
7. INVENTORY DATA (0000)							
a. TOTAL ACRESAGE..... 7,093							
b. INVENTORY TOTAL AS OF 30 SEP 1988..... 304,017							
c. AUTHORIZATION NOT YET IN INVENTORY..... 97,983							
d. AUTHORIZATION REQUESTED IN THIS PROGRAM..... 31,850							
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM..... 0							
f. PLANNED IN NEXT THREE PROGRAM YEARS..... 53,358							
g. REMAINING DEFICIENCY..... 401,280							
h. GRAND TOTAL..... 888,489							
8. PROJECTS REQUESTED IN THIS PROGRAM:							
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (0000)	DESIGN STATUS	START	COMPLETE	
711	Family Housing	300	31,850	Turnkey			
9. Future Projects:							
a. Included in following program (FY92) None							
b. Major planned next three years (FY93, FY94) 600 units							
10. Mission or Major Functions: San Diego provides support for major fleet, fleet air, research and development and parallel support operations to a significant percentage of Navy and Marine Corps forces on the West Coast.							

1. COMPONENT NAVY		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA			2. DATE	
3. INSTALLATION AND LOCATION PUBLIC WORKS CENTER SAN DIEGO, CA				4. PROJECT TITLE FAMILY HOUSING		
5. PROGRAM ELEMENT		6. CATEGORY CODE 711	7. PROJECT NUMBER H-815		8. PROJECT COST (\$000) 31,850	
<b>9. COST ESTIMATES</b>						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
FAMILY HOUSING:		FA	300	68.95	20,687	
BUILDINGS		SF	382,500	54.08	(20,687)	
SOLAR SYSTEM		FA			( 0	
SUPPORTING COSTS:					8,061	
PAVING & SITE IMPROVEMENTS					( 3,380	
UTILITIES					( 2,800	
LANDSCAPING					( 1,020	
RECREATION					( 240	
SPECIAL CONSTRUCTION FEATURES					( 621	
DEMOLITION					( 0	
SUB TOTAL					28,748	
CONTINGENCY (5%)					1,437	
TOTAL CONTRACT COST					30,185	
SUPERVISION, INSPECTION, & OVERHEAD (5.5%)					1,660	
TOTAL REQUEST					31,845	
TOTAL REQUEST (ROUNDED)					31,850	
<b>10. DESCRIPTION OF PROPOSED CONSTRUCTION</b>						
Two story family housing units; wood frame or masonry with stucco or pre-finished siding, covered parking, patios, exterior storage, privacy fencing and recreational facilities.						
<u>Grade</u>	<u>Bedroom</u>	<u>Net Area</u>	<u>Project Factor</u>	<u>Unit Cost</u>	<u>No. Units</u>	<u>(\$000) Total</u>
JEM	3	1200	1.1268	\$48.00	150	9,735
JEM	4	1350	1.1268	\$48.00	150	10,952
					300	20,687
<b>Project:</b> Construct 300 adequate family housing units for enlisted personnel (Current mission.)						
<b>Requirement:</b> Adequate family housing is needed for married personnel.						
<b>Current Situation:</b> The projected family housing deficit at San Diego is the largest in the Navy. The current inventory of 6,098 units satisfies only 15% of the family housing requirement. Despite aggressive Housing Referral Service efforts to maximize the Navy's share of available suitable private assets, there is a huge waiting list for Navy housing of approximately 5,800 families who face average waits of 25-26 months for one and two bedroom units, 14-15 months for three bedroom units, and 10-11 months for four and more bedroom units. The most critical need is for two, three, and four						

1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION PUBLIC WORKS CENTER SAN DIEGO, CA		
4. PROJECT TITLE FAMILY HOUSING	5. PROJECT NUMBER H-815	
<p>PUBLIC WORKS CENTER SAN DIEGO, CA (Continued)</p> <p><u>CURRENT SITUATION:</u> (Continued) bedroom units for junior enlisted families. Private sector construction of housing in San Diego county has been active over the past several years. Vacancy rates have increased from an average of 3.7% in 1986 to 7%. However, this short period of rapid growth is expected to stabilize. A recently established local anti-growth initiative, Proposition A, requires a vote of the people of San Diego before designated areas of San Diego can be developed. Also, the City of San Diego has recently passed an ordinance limiting residential construction to approximately half as many units as were built in 1986. It is conceivable that other cities in San Diego county may impose similar restrictions. The average sale price in excess of \$146,000 is beyond the reach of most enlisted and junior officer families. Families seeking rental housing face similar problems. Rentals are unaffordable to many enlisted families. Despite the recent growth in residential construction, cost continues to undermine the local community's ability to supply affordable housing to more Navy families.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Military members will be forced to choose between involuntary separation from their families. Such a choice will likely lead to poor morale and dissatisfaction with the Navy. Retention will be adversely impacted.</p> <p>Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".</p> <p>Necessary coordination with school district is in progress.</p>		

MILITARY FAMILY HOUSING JUSTIFICATION					1. DATE OF REPORT 880915	2. FISCAL YEAR 1991	REPORT CONTROL SYMBOL DD-A&L(R)1716		
3. DOD COMPONENT NAVY		4. REPORTING INSTALLATION a. NAME PWC San Diego			b. LOCATION California				
5. DATA AS OF 31 JANUARY 1988									
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED				
	OFFICER (a)	EO-1A (b)	EO-11 (c)	TOTAL (d)	EO-1A (e)	EO-1A (f)	EO-11 (g)	TOTAL (h)	
6. TOTAL PERSONNEL STRENGTH	14281	57789	36581	108651	8930	49962	21693	80585	
7. PERMANENT PARTY PERSONNEL	8806	51267	21138	81211	8911	48725	20798	78434	
8. GROSS FAMILY HOUSING REQUIREMENTS	5860	33258	4781	43899	6022	31798	4532	42352	
9. TOTAL UNACCEPTABLE HOUSING (a + b + c)	854	6553	1747	9154					
a. INVOLUNTARILY SEPARATED	52	718	370	1140					
b. UNACCEPTABLY HOUSED - MILITARY ASSETS	0	0	0	0					
c. UNACCEPTABLY HOUSED - COMMUNITY ASSETS	802	5835	1377	8014					
10. VOLUNTARY SEPARATIONS	197	2621	960	3778	208	2506	910	3624	
11. EFFECTIVE HOUSING REQUIREMENTS	5663	30637	3821	40121	5814	29292	3622	38728	
12. ADEQUATE HOUSING (a + b)	4819	24137	2037	30993	4978	25465	2074	32517	
a. UNDER MILITARY CONTROL	565	5533	0	6098	565	6669	0	7234	
(1) Housed in Existing DOD Owned/Controlled	536	5352	0	5888	565	5533	0	6098	
(2) Under Contract/Approved					0	1136	0	1136	
(3) Vacant	29	181	0	210					
(4) Inactive	0	0	0	0					
b. PRIVATE HOUSING	4254	18604	2037	24895	4413	18796	2074	25283	
(1) Acceptably Housed	4235	18544	2000	24779	4235	18544	2037	24816	
(2) Vacant Rental Housing	19	60	37	116	178	252	37	467	
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	844	6500	1784	9128	836	3827	1548	6211	
14. PROPOSED PROJECT					0	300	0	300	
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				9.7%	23.8%	0.0%	19.5%	
b. ALL HOUSING				85.6%	88.0%	57.3%	84.7%		
16. REMARKS (Specify item number) Line 4: The Naval Complex centers in the city of San Diego. The Navy Public Works Center provides support for major fleet air, research and development, and parallel support operations to a significant portion of Navy and Marine Corps forces on the West Coast. It is a center of electronic, aircraft, and mission industries. Tourism and major truck and fruit farming also support									

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16. REMARKS (Continued)

the area. It is extremely popular as a place of residence for retired military personnel.

Project Composition

300 Enlisted Units	150 3-bedroom JEM
	150 4-bedroom JEM
	<u>300</u> TOTAL



1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> <b>MILITARY CONSTRUCTION PROGRAM</b>				2. DATE					
3. INSTALLATION AND LOCATION <b>NAVAL STATION NEW YORK, NY</b>				4. COMMAND		5. AREA CONSTR. COST INDEX <b>1.40</b>					
6. PERSONNEL STRENGTH:		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88		204	1044	834	1	0	0	1	1	0	2085
b. END FY 19 93		452	4945	834	1	0	0	8	120	0	6360
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ..... 143											
b. INVENTORY TOTAL AS OF 30 SEP 1988 ..... 75,782											
c. AUTHORIZATION NOT YET IN INVENTORY ..... 40,390											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM ..... 19,600											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ..... 0											
f. PLANNED IN NEXT THREE PROGRAM YEARS ..... 0											
g. REMAINING DEFICIENCY ..... 36,575											
h. GRAND TOTAL ..... 172,347											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE						
711	Family Housing	150	19,600	Turnkey							
9. <u>Future Projects:</u>											
a. Included in following program (FY92)                      None											
b. Major planned next three years                              None											
10. <u>Mission or Major Functions:</u> Naval Station, New York will be homeport to a Battleship Surface Action Group. As such, it will provide logistic support for both operating forces and tenant activities. Additionally, it provides personnel support for crews while their ships are undergoing overhaul in private shipyards in the New York area.											

1. COMPONENT NAVY		2. DATE			FY 1921 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION NAVAL STATION NEW YORK, NY			4. PROJECT TITLE FAMILY HOUSING			
5. PROGRAM ELEMENT		6. CATEGORY CODE 711	7. PROJECT NUMBER H-801	8. PROJECT COST (\$000) 19,600		
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
FAMILY HOUSING:		FA	150	83,653	12,548	
BUILDINGS		SF	192,500	65.18	(12,548)	
SOLAR SYSTEM		FA			(0)	
SUPPORTING COSTS:					5,142	
PAVING & SITE IMPROVEMENTS					(2,585)	
UTILITIES					(1,883)	
LANDSCAPING					(210)	
RECREATION					(150)	
SPECIAL CONSTRUCTION FEATURES					(314)	
DEMOLITION					(0)	
SUB TOTAL					17,690	
CONTINGENCY (5%)					885	
TOTAL CONTRACT COST					18,575	
SUPERVISION, INSPECTION, & OVERHEAD (5.5%)					1,022	
TOTAL REQUEST					19,597	
TOTAL REQUEST (ROUNDED)					19,600	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Two story family housing units; wood frame or masonry with stucco or pre-finished siding, covered parking, patios, exterior storage, privacy fencing and recreational facilities.						
<u>Grade</u>	<u>Bedroom</u>	<u>Net Area</u>	<u>Project Factor</u>	<u>Unit Cost</u>	<u>No. Units</u>	<u>(\$000) Total</u>
JEM	2	950	1.3580	\$48.00	50	3,096
SEM	4	1450	1.3580	\$48.00	100	9,452
					150	12,548
11. REQUIREMENT: 2275 FA ADEQUATE: 1941 FA SUBSTANDARD: 0 FA						
Project: Construct 150 adequate family housing units for enlisted personnel. (New mission.)						
Requirement: Adequate family housing is needed for married personnel						
Current Situation: As a result of strategic homeporting, a deficit of housing for enlisted personnel is projected. Construction of the infrastructure for the new homeport has been approved by Congress and is ongoing. The difficulties many families are facing in finding suitable, affordable housing have been well publicized. The strict rent control laws in New York City serve to suppress the availability of rental units, as						

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1. COMPONENT NAVY	2. DATE FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA
3. INSTALLATION AND LOCATION NAVAL STATION NEW YORK, NY	
4. PROJECT TITLE FAMILY HOUSING	5. PROJECT NUMBER H-801
<p>NAVAL STATION, NEW YORK, NY (Continued)</p> <p><u>CURRENT SITUATION:</u> (Continued) evidenced by the rental vacancy rate of 2%. The increased demand is having a spillover effect in the New Jersey suburbs as well. Those suburbs within the commuting area of the Naval Station are unaffordable.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Military members will be forced to choose between involuntary separation from their families or accepting housing that is unaffordable or unsuitable. Either choice will likely lead to poor morale and dissatisfaction with the Navy. Retention will be adversely impacted.</p> <p>Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".</p> <p>Necessary coordination with the local school district is being pursued.</p>	

MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT (FPMR 101-11.6) 880915		2. FISCAL YEAR 1991		3. REPORT CONTROL SYMBOL DD-AAM/AR/11/16	
1. DOD COMPONENT NAVY		4. REPORTING INSTALLATION a. NAME NS New York			b. LOCATION New York				
5. DATA AS OF 31 January 1988									
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED				
	OFFICER 00	01-04 00	05-11 00	TOTAL 00	OFFICER 00	01-04 00	05-11 00	TOTAL 00	
6. TOTAL PERSONNEL STRENGTH	206	960	85	1251	460	2707	390	3557	
7. PERMANENT PARTY PERSONNEL	205	959	85	1249	453	3457	1488	5398	
8. GROSS FAMILY HOUSING REQUIREMENTS	158	783	25	966	344	2707	390	3441	
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	5	179	14	198					
a. INVOLUNTARILY SEPARATED	3	40	0	43					
b. UNACCEPTABLY HOUSED - MILITARY ASSETS	0	0	0	0					
c. UNACCEPTABLY HOUSED - COMMUNITY ASSETS	2	139	14	155					
10. VOLUNTARY SEPARATIONS	14	69	1	84	30	238	16	284	
11. EFFECTIVE HOUSING REQUIREMENTS	144	714	24	882	314	2469	374	3157	
12. ADEQUATE HOUSING (a + b)	177	563	10	750	311	2249	42	2602	
a. UNDER MILITARY CONTROL	176	485	0	661	202	1941	0	2143	
(1) Housed in Existing DOD Owned/Controlled	138	457	0	595	176	447	0	623	
(2) Under Contract/Approved					26	1494	0	1520	
(3) Vacant	38	28	0	66					
(4) Inactive	0	0	0	0					
b. PRIVATE HOUSING	1	78	10	89	109	308	42	459	
(1) Acceptably Housed	1	78	10	89	55	78	26	159	
(2) Vacant Rental Housing	0	0	0	0	54	230	16	300	
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	-33	151	14	132	3	220	332	555	
14. PROPOSED PROJECT					0	150	0	150	
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF EFFECTIVE REQUIREMENTS	a. MILITARY				64.3%	84.7%	0.0%	72.6%	
b. ALL HOUSING				99.0%	97.2%	11.2%	87.2%		
16. REMARKS (Specify new numbers) Line 4: The Naval Station, New York, NY, is located on the northeast shore of the City of New York. Its current mission is to provide personnel support for crews while their ships are in overhaul in private shipyards in the New York area. Beginning in 1989, NS New York will become the homeport to a Battleship Surface Action Group (BB-SAG).									

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16. REMARKS (Continued)

Project Composition

150 Enlisted Units	50 2-bedroom JFM
	100 4-bedroom SEM
	<u>150</u> Total Units

1. COMPONENT <b>NAVY</b>		FY 1991 <b>MILITARY CONSTRUCTION PROGRAM</b>								2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL AMPHIBIOUS BASE LITTLE CREEK, NORFOLK, VA</b>						4. COMMAND				5. AREA CONSTR. COST INDEX <b>0.91</b>	
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED			TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	
a. AS OF 31 JAN 88		1075	9916	405	144	1048		57	429		13074
b. END FY 1993		1084	10532	426	186	1320		57	429		14034
7. INVENTORY DATA (\$000)											
a. TOTAL ACREAGE ..... 11,407											
b. INVENTORY TOTAL AS OF 30 SEP 1988 ..... 53,007											
c. AUTHORIZATION NOT YET IN INVENTORY ..... 370											
d. AUTHORIZATION REQUESTED IN THIS PROGRAM ..... 0											
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ..... 0											
f. PLANNED IN NEXT THREE PROGRAM YEARS ..... 0											
g. REMAINING DEFICIENCY ..... 0											
h. GRAND TOTAL ..... 53,377											
8. PROJECTS REQUESTED IN THIS PROGRAM:											
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START		COMPLETE		
714	Family Housing Office				4,000 SF	370.0	3/90		12/90		
9. Future Projects:											
a. Included in following program (FY92) None											
b. Major planned next three years None											
10. Mission or Major Functions: Provide training facilities, logistical support, and administrative support for Amphibious units and other specialized units within the Fleet. The base is one of four activities within the Norfolk Naval Complex.											

1. COMPONENT NAVY		FY 191 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE LITTLE CREEK, NORFOLK, VA			4. PROJECT TITLE HOUSING OFFICE		
5. PROGRAM ELEMENT	6. CATEGORY CODE 714-30	7. PROJECT NUMBER HC-02-88	8. PROJECT COST (\$000) 370		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
HOUSING OFFICE. . . . .	SF	4,000	80.96	324	
SUPPORTING FACILITIES . . . . .	LS	-	-	10	
SUBTOTAL. . . . .	-	-	-	334	
CONTINGENCY (5%). . . . .	-	-	-	17	
TOTAL CONTRACT COST . . . . .	-	-	-	351	
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .	-	-	-	19	
TOTAL REQUEST . . . . .	-	-	-	370	
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
Construct a housing office building on concrete slab with brick/masonry walls and shingled roof, complete with utilities. Building includes space for offices, conference room, reception/waiting room, child play area, central file room, and administrative storage space. Construction to include fire alarm, sprinkler system, parking, roads, sidewalks, landscaping and central air conditioning.					
11. REQUIREMENT: An adequate housing office is required to support the military personnel and their families located in the Tidewater Naval Base Norfolk area. (Current mission.)					
CURRENT SITUATION: The existing housing office, built in 1947, is a converted home located adjacent to the main base entrance, Gate 5. The office spaces used for housing and housing referral services are extremely overcrowded. Parking at the building is severely limited with no land available for expansion. The building is scheduled to be demolished to make way for expansion of the Naval Base pass office building.					
IMPACT IF NOT PROVIDED: Housing management and referral services will continue to be provided under overcrowded and adverse conditions. In addition, upon construction of the new Pass Office, the present facility must be vacated. There will be no housing office to service the needs of military personnel and their families in the Tidewater Naval Base Norfolk area.					

1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL AMPHIBIOUS BASE LITTLE CREEK, NORFOLK, VA		
4. PROJECT TITLE HOUSING OFFICE		5. PROJECT NUMBER HC-02-88
NAVAL AMPHIBIOUS BASE, LITTLE CREEK, NORFOLK, VA (Continued)  Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".		



1. COMPONENT		FY 1991 MILITARY CONSTRUCTION PROGRAM					2. DATE			
3. INSTALLATION AND LOCATION		4. COMMAND					5. AREA CONSTR. COST INDEX			
PUBLIC WORKS CENTER NORFOLK, VA							0.97			
6. PERSONNEL STRENGTH		PERMANENT			STUDENTS			SUPPORTED		TOTAL
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	
a. AS OF 31 JAN 88		9034	79344	26537	865	5246		609	3483	125118
b. END FY 19 93		9115	75201	26836	1018	5306		631	3792	121899
7. INVENTORY DATA (\$000)										
a. TOTAL ACREAGE ..... 168										
b. INVENTORY TOTAL AS OF 30 SEP 1988 ..... 215,644										
c. AUTHORIZATION NOT YET IN INVENTORY ..... 332										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM ..... 830										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ..... 0										
f. PLANNED IN NEXT THREE PROGRAM YEARS ..... 41,713										
g. REMAINING DEFICIENCY ..... 0										
h. GRAND TOTAL ..... 258,519										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE	SCOPE	COST \$000	DESIGN STATUS START	COMPLETE					
714	Family Housing Community Center	5,000 SF	415.0	4/89	11/90					
714	Family Housing Community Center	5,000 SF	415.0	4/89	11/90					
9. Future Projects:										
a. Included in following program (FY92) None										
b. Major planned next three years (FY93, FY94) 600 Units										
10. Mission or Major Functions: PWC Norfolk provides public works, utilities, family housing, transportation support, engineering services, shore facilities planning support, and all other logistic support of a public works nature for operating forces in the Sewells Point Complex.										

1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION PUBLIC WORKS CENTER NORFOLK, VA			4. PROJECT TITLE COMMUNITY CENTER		
5. PROGRAM ELEMENT		6. CATEGORY CODE 714-32	7. PROJECT NUMBER HC-50-79	8. PROJECT COST (\$000) 415	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
COMMUNITY CENTER . . . . .		SF	5,000	67.16	336
SUPPORTING FACILITIES & DEMOLITION . . . . .		LS	-	-	38
SUBTOTAL . . . . .		-	-	-	374
CONTINGENCY (5%) . . . . .		-	-	-	19
TOTAL CONTRACT COST . . . . .		-	-	-	393
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .		-	-	-	22
TOTAL REQUEST . . . . .		-	-	-	415
10. DESCRIPTION OF PROPOSED CONSTRUCTION Construction consists of demolition, site preparation, foundation interior and exterior walls, heating, air conditioning, electrical, built-up roofing, plumbing, lighting, sidewalks and parking.					
11. REQUIREMENT: This project will demolish an existing old warehouse and construct a 5,000 square foot Community Center. The South Annex of the Naval Base Complex is comprised of approximately 4,850 personnel and dependents and does not have an adequate community center which will meet Navy fire and sanitary standards. (Current mission.)					
CURRENT SITUATION: A converted warehouse is presently being used as a community center and cannot meet the needs generated by the South Annex Complex. The overall condition of the building is totally inadequate. The building does not meet current fire and sanitary standards.					
IMPACT IF NOT PROVIDED: The South Annex Complexes will continue to lack facilities to support community social and recreational functions. This will continue to have an adverse effect on the moral and welfare of Navy housing occupants.					
Project Design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide."					

1. COMPONENT NAVY		FY 1981 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION PUBLIC WORKS CENTER NORFOLK, VA			4. PROJECT TITLE COMMUNITY CENTER		
5. PROGRAM ELEMENT		6. CATEGORY CODE 714-32	7. PROJECT NUMBER HC-20-84	8. PROJECT COST (\$000) 415	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
COMMUNITY CENTER. . . . .		SF	5,000	67.16	336
SUPPORTING FACILITIES & DEMOLITION. . . . .		LS	-	-	38
SUBTOTAL. . . . .		-	-	-	374
CONTINGENCY (5%). . . . .		-	-	-	19
TOTAL CONTRACT COST. . . . .		-	-	-	393
SUPERVISION, INSPECTION & OVERHEAD (5.5%). . . . .		-	-	-	22
TOTAL REQUEST. . . . .		-	-	-	415
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>This project constructs a one story building on concrete slab with insulation, brick veneer, metal roof deck with built-up roofing over rigid insulation, heating, air conditioning, fire alarm and telephone systems.</p>					
<p>11. <u>REQUIREMENT</u>: This project will construct a 5,000 square foot Community Center. The Carper Housing area is comprised of 576 four bedroom and 24 five bedroom townhouse units providing housing for enlisted rates E-4 and above. There are approximately 3,600 occupants of which 2,400 are young people. Carper is a high density housing complex not located near any other military activity or base and is several miles from the nearest military support facilities. Is is completely surrounded by civilian community housing, apartments, and subdivisions. This housing complex desperately needs a community center to accommodate the social, cultural, and physical activities of its residents. (Current mission.)</p>					
<p><u>CURRENT SITUATION</u>: No community center exists in the Carper Housing area. Access to the few civilian facilities in the vicinity by the Carper youth is frustrated by the lack of public transportation. A serious safety hazard for pedestrian traffic exists because the perimeter roadway servicing the complex is highly traveled and has no sidewalks.</p>					

1. COMPONENT	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE
NAVY			
3. INSTALLATION AND LOCATION PUBLIC WORKS CENTER NORFOLK, VA			
4. PROJECT TITLE		5. PROJECT NUMBER	
COMMUNITY CENTER		HC-21-84	
PUBLIC WORKS CENTER, NORFOLK, VA (Continued)			
<p><u>IMPACT IF NOT PROVIDED:</u> An adequate community center will not be available to the residents of this housing complex. Occupant frustration and sense of isolation will continue to grow. The already existing high rate of theft, vandalism and associated problems can be expected to increase resulting in a lower quality of life for our Navy tenants.</p> <p>Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".</p>			

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROGRAM						2. DATE		
3. INSTALLATION AND LOCATION NAVAL AIR STATION BERMUDA, WEST INDIES				4. COMMAND				5. AREA CONSTR. COST INDEX 1.61		
6. PERSONNEL STRENGTH:		PERMANENT			STUDENTS			SUPPORTED		
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN
a. AS OF 31 JAN 88		75	885	182	0	0	0	138	505	0
b. END FY 19 93		78	950	182	0	0	0	184	627	0
		TOTAL								
		1785								
		2021								

7. INVENTORY DATA (\$000)	
a. TOTAL ACREAGE	1,459
b. INVENTORY TOTAL AS OF 30 SEP 1988	34,857
c. AUTHORIZATION NOT YET IN INVENTORY	0
d. AUTHORIZATION REQUESTED IN THIS PROGRAM	374
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM	0
f. PLANNED IN NEXT THREE PROGRAM YEARS	0
g. REMAINING DEFICIENCY	0
h. GRAND TOTAL	35,231

8. PROJECTS REQUESTED IN THIS PROGRAM:					
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	DESIGN STATUS START	COMPLETE
714	Family Housing Office	2,300 SF	374.0	3/90	12/90

9. Future Projects:	
a. Included in following program (FY92)	None
b. Major planned next three years	None

10. Mission or Major Functions: Maintain and operate facilities; provide services and materials to support aviation operations and operating forces from other activities and units; and provide emergency services to ships and aircraft in the South Atlantic.	
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1. COMPONENT NAVY		FY 1991 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AIR STATION BERMUDA, WI			4. PROJECT TITLE HOUSING OFFICE		
5. PROGRAM ELEMENT		6. CATEGORY CODE 714-30	7. PROJECT NUMBER HC-10-88	8. PROJECT COST (\$000) 374	
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
HOUSING OFFICE. . . . .		SF	2,300	141.68	326
SUPPORTING FACILITIES . . . . .		LS	-	-	12
SUBTOTAL. . . . .		-	-	-	338
CONTINGENCY (5%). . . . .		-	-	-	17
TOTAL CONTRACT COST . . . . .		-	-	-	355
SUPERVISION, INSPECTION & OVERHEAD (5.5%) . . . . .		-	-	-	19
TOTAL REQUEST . . . . .		-	-	-	374
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Single story structure with slab on grade. Complete with Bermuda style roof suitable for water catchment. The facility will require all utilities including air conditioning, a fire protection and detection system, parking, access road, sidewalks, landscaping, and site lighting.</p>					
<p>11. <u>REQUIREMENT</u>: Adequate facility to provide professional housing services to the military families stationed at NAS Bermuda. The office not only assigns military quarters, but serves as a housing referral office as well. (Current mission.)</p> <p><u>CURRENT SITUATION</u>: The housing Office is operated out of the basement of a 40 year old transient air crew barracks. It is contained in 685 square feet of space which barely affords enough room to talk to one person, let alone a family. This is one of the first impressions a family has of life in housing at NAS Bermuda. Housing maintenance is performed by contract and requires a lot of communication between the housing office and the occupants. If more than one person needs to be addressed, for example during the recent massive hurricane repairs, an alternate conference area must be used. All administrative functions from inspection of the housing maintenance contracts to housing referral are performed at this office. There are approximately 1,500 families serviced by this office per year.</p>					

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AIR STATION BERMUDA, WEST INDIES			
4. PROJECT TITLE		5. PROJECT NUMBER	
HOUSING OFFICE		HC-10-88	
NAVAL AIR STATION, BERMUDA, WEST INDIES (Continued)  <u>IMPACT IF NOT PROVIDED:</u> The Housing Office will continue to provide limited services to military families housed at NAS Bermuda out of the basement of the transient squadron barracks. This will inhibit the ability of the Housing Office to provide a positive first impression of life in Bermuda, and adversely impact on morale.  Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".			

1. COMPONENT NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROGRAM						2. DATE		
3. INSTALLATION AND LOCATION NAVAL STATION GUANTANAMO BAY, CUBA						4. COMMAND		5. AREA CONSTR. COST INDEX 1.61		
6. PERSONNEL STRENGTH:		PERMANENT			STUDENTS			SUPPORTED		
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN
a. AS OF 31 JAN 88		206	2295	406	0	0	0	100	669	0
b. END FY 13 93		203	2438	406	0	0	0	100	669	0
		TOTAL								
		3676								
		3816								
7. INVENTORY DATA (\$000)										
d. TOTAL ACREAGE ..... 28,817										
e. INVENTORY TOTAL AS OF 30 SEP 1988 ..... 99,044										
f. AUTHORIZATION NOT YET IN INVENTORY ..... 12,430										
g. AUTHORIZATION REQUESTED IN THIS PROGRAM ..... 31,669										
h. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ..... 0										
i. PLANNED IN NEXT THREE PROGRAM YEARS ..... 15,873										
j. REMAINING DEFICIENCY ..... 936										
k. GRAND TOTAL ..... 159,952										
8. PROJECTS REQUESTED IN THIS PROGRAM:										
CATEGORY CODE	PROJECT TITLE				SCOPE	COST (\$000)	DESIGN STATUS START COMPLETE			
711	Family Housing				254	31,669	Turnkey			
9. Future Projects:										
a. Included in following program (FY92) None										
b. Major planned next three years (FY94) 100 units										
10. Mission or Major Functions: Provide logistic support for the operating forces of the Navy, dependent activities and other commands as assigned.										



1. COMPONENT NAVY		FY 1961 MILITARY CONSTRUCTION PROJECT DATA		2. DATE		
3. INSTALLATION AND LOCATION NAVAL STATION GUANTANAMO BAY, CUBA			4. PROJECT TITLE FAMILY HOUSING			
5. PROGRAM ELEMENT		6. CATEGORY CODE 711	7. PROJECT NUMBER H-803	8. PROJECT COST (\$000) 31,669		
9. COST ESTIMATES						
ITEM		WM	QUANTITY	UNIT COST	COST (\$000)	
FAMILY HOUSING:		FA	254	81,098	20,599	
BUILDINGS		SF	261,100	78.89	(20,599 )	
SOLAR SYSTEM		FA			( 0 )	
SUPPORTING COST:					7,990	
PAVING & SITE IMPROVEMENTS					( 3,873 )	
UTILITIES					( 3,296 )	
LANDSCAPING					( 237 )	
RECREATION					( 247 )	
SPECIAL CONSTRUCTION FEATURES					( 337 )	
SUB TOTAL					28,589	
CONTINGENCY					1,429	
TOTAL CONTRACT COST					30,018	
SUPERVISION, INSPECTION, & OVERHEAD (5.5%)					1,651	
TOTAL REQUEST					31,669	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Two story family housing units; wood frame or masonry with stucco or pre-finished siding, covered parking, patios, exterior storage, privacy fencing and recreational facilities.						
	Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units (\$000) Total
	JEM	2	950	1.5778	\$50.00	192 14,390
	JEM	3	1200	1.5778	\$50.00	40 3,787
	JEM	4	1350	1.5778	\$50.00	12 1,278
	SEM	4	1450	1.5778	\$50.00	10 1,144
						254 20,599
11. REQUIREMENTS: 1293 FA ADEQUATE: 995 FA SUBSTANDARD: 0 FA						
Project: Construct 254 adequate family housing units for officer and personnel. (Current mission.)						
Requirement: Adequate on-base family housing is needed for married personnel at this remote overseas location.						
Current Situation: The Naval Station, Guantanamo Bay, is the only military installation located in a communist country. As such, all personnel must						

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1. COMPONENT NAVY	2. DATE
FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION NAVAL STATION GUANTANAMO BAY, CUBA	
4. PROJECT TITLE FAMILY HOUSING	5. PROJECT NUMBER H-803
<p>NAVAL STATION, GUANTANAMO BAY, CUBA (Continued)</p> <p><u>CURRENT SITUATION:</u> (Continued) live on-base. Dependent entry approval, contingent on the availability of government quarters, is required before a military member can be accompanied by dependents. Involuntary separation is detrimental to morale. Construction of additional government quarters will reduce the wait for housing.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Military members will be forced to choose between involuntary separation from their families or accepting housing that is unaffordable or unsuitable. Either choice will likely lead to poor morale and dissatisfaction with the Navy. Retention will be adversely impacted.</p> <p>Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".</p> <p>Bilateral agreement between the U.S. and the host nation covering U.S. presence for military purposes provides that construction of new, or alteration of existing, facilities for U.S. requirements shall be the responsibility of the U.S.</p>	

MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT (FV FORM) 880915	2. FISCAL YEAR 1991	REPORT CONTROL SYMBOL DD-ABJ(AR)1716		
3. DOD COMPONENT NAVY		4. REPORTING INSTALLATION a. NAME NS Guantanamo		b. LOCATION Cuba				
5. DATA AS OF 31 January 1988								
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OPTION (a)	00-04 (b)	05-11 (c)	TOTAL (d)	OPTION (a)	00-04 (b)	05-11 (c)	TOTAL (d)
6. TOTAL PERSONNEL STRENGTH	430	2289	725	3444	477	2429	678	3584
7. PERMANENT PARTY PERSONNEL	330	1837	509	2676	413	2063	462	2938
8. GROSS FAMILY HOUSING REQUIREMENTS	293	1466	90	1849	344	1634	74	2052
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	0	273	40	313				
a. INVOLUNTARILY SEPARATED	0	273	40	313				
b. UNACCEPTABLY HOUSED - MILITARY ASSETS	0	0	0	0				
c. UNACCEPTABLY HOUSED - COMMUNITY ASSETS	0	0	0	0				
10. VOLUNTARY SEPARATIONS	49	310	50	409	51	341	41	433
11. EFFECTIVE HOUSING REQUIREMENTS	244	1156	40	1440	293	1293	33	1619
12. ADEQUATE HOUSING (a + b)	244	884	0	1128	258	995	0	1253
a. UNDER MILITARY CONTROL	244	884	0	1128	258	995	0	1253
(1) Housed in Existing DOD Owned/Controlled	244	884	0	1128	244	884	0	1128
(2) Under Contract/Approved					14	111	0	125
(3) Vacant	0	0	0	0				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	0	0	0	0	0	0	0	0
(1) Acceptably Housed	0	0	0	0	0	0	0	0
(2) Vacant Rental Housing	0	0	0	0	0	0	0	0
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	0	272	40	312	35	298	33	366
14. PROPOSED PROJECT					0	254	0	254
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				88.1%	96.6%	0.0%	93.1%
	b. ALL HOUSING				88.1%	96.6%	0.0%	93.1%
16. REMARKS (Specify item number) Line 4: The Naval Complex, Guantanamo Bay, Cuba, is strategically located on the southeast tip of the island of Cuba. It is the only U.S. military base situated in a communist country. U.S. personnel are not permitted to exit the confines of the base either to visit or to reside in the private community. The base is totally self-sufficient, including the provision of all utilities.								

DD Form 1523, NOV 85

Previous editions are obsolete.

(Continued on reverse)

A 425

16. REMARKS (Continued)

Project Composition

254 Enlisted Units

192 2-bedroom JEM

40 3-bedroom JEM

12 4-bedroom JEM

10 4-bedroom SEM

254 Total Units

1. COMPONENT NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROGRAM						2. DATE		
3. INSTALLATION AND LOCATION NAVAL AIR STATION KEFLAVIK, ICELAND						4. COMMAND		5. AREA CONSTR. COST INDEX 2.80		
6. PERSONNEL STRENGTH:		PERMANENT			STUDENTS			SUPPORTED		
		OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN	OFFICER	ENLISTED	CIVILIAN
a. AS OF 31 JAN 88		294	2752	110	0	0	0	169	411	0
b. END FY 19 93		304	2769	113	0	0	0	113	343	0
		TOTAL								
		3736								
		3646								
7. INVENTORY DATA (0000)										
a. TOTAL ACREAGE ..... 27,780										
b. INVENTORY TOTAL AS OF 30 SEP 1988 ..... 100,534										
c. AUTHORIZATION NOT YET IN INVENTORY ..... 71,454										
d. AUTHORIZATION REQUESTED IN THIS PROGRAM ..... 27,200										
e. AUTHORIZATION INCLUDED IN FOLLOWING PROGRAM ..... 30,611										
f. PLANNED IN NEXT THREE PROGRAM YEARS ..... 0										
g. REMAINING DEFICIENCY ..... 10,800										
h. GRAND TOTAL ..... 240,399										
8. PROJECTS REQUESTED IN THIS PROGRAM										
CATEGORY CODE	PROJECT TITLE	SCOPE	COST (\$000)	BIB SH STATUS						
				START	COMPLETE					
711	Family Housing	112	27,200	Turnkey						
9. Future Projects:										
a. Included in following program (FY92) 108 units										
b. Major planned next three years None										
10. Mission or Major Functions: U.S. Naval Station, Keflavik provides administration and logistic support to thirty-two tenant commands in Iceland. These include Commander Iceland Defense Force, Commander Fleet Air Keflavik, Commander Air Forces Iceland, U.S. Naval Facility 57th Fighter Interceptor Squadron; and the 960th AWACS.										

1. COMPONENT NAVY		FY 1921 MILITARY CONSTRUCTION PROJECT DATA		2. DATE		
3. INSTALLATION AND LOCATION NAVAL AIR STATION KEFLAVIK, ICELAND			4. PROJECT TITLE FAMILY HOUSING			
5. PROGRAM ELEMENT		6. CATEGORY CODE 711	7. PROJECT NUMBER H-812	8. PROJECT COST (\$000) 27,200		
9. COST ESTIMATES						
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)	
FAMILY HOUSING:		FA	112	165,929	18,584	
BUILDINGS		SF	135,450	137.20	(18,584)	
SOLAR SYSTEM		FA			(0)	
SUPPORTING COSTS:					6,000	
PAVING & SITE IMPROVEMENTS					(2,676)	
UTILITIES					(2,694)	
LANDSCAPING					(260)	
RECREATION					(186)	
SPECIAL CONSTRUCTION FEATURES					(184)	
DEMOLITION					(0)	
SUB TOTAL					24,584	
CONTINGENCY (5%)					1,229	
TOTAL CONTRACT COST					25,813	
SUPERVISION, INSPECTION, & OVERHEAD (5.5%)					1,420	
TOTAL REQUEST					27,233	
TOTAL REQUEST (ROUNDED)					27,200	
10. DESCRIPTION OF PROPOSED CONSTRUCTION						
Three story family housing buildings; precast concrete structures with bulk storage areas, balconies, indoor common recreation area and geothermal space heating systems. Cost of shipping U.S. precasting system included in \$/NSF. Special construction cost required for removal of bedrock.						
Grade	Bedroom	Net Area	Project Factor	Unit Cost	No. Units	(\$000) Total
JEM	2	950	2.7440	\$50.00	22	2,867
SEM	2	950	2.7440	\$50.00	4	521
JEM	3	1200	2.7440	\$50.00	18	2,961
SEM	3	1350	2.7440	\$50.00	31	5,741
CGO	2	950	2.7440	\$50.00	12	1,564
CGO	3	1350	2.7440	\$50.00	4	741
CGO	4	1450	2.7440	\$50.00	4	796
FGO	3	1400	2.7440	\$50.00	11	2,113
FGO	4	1550	2.7440	\$50.00	6	1,276
					112	18,584
11. REQUIREMENT: 1647 FA ADEQUATE: 1277 FA SUBSTANDARD: 0 FA						
Project: Construct 112 adequate family housing units for officer and enlisted personnel. (Current mission.)						

1. COMPONENT NAVY	2. DATE FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA
3. INSTALLATION AND LOCATION NAVAL AIR STATION KEFLAVIK, ICELAND	
4. PROJECT TITLE FAMILY HOUSING	5. PROJECT NUMBER H-812
<p>NAVAL AIR STATION, KEFLAVIK, IC (Continued)</p> <p><b>REQUIREMENT:</b> Adequate family housing is needed for married personnel at this remote overseas location.</p> <p><b>CURRENT SITUATION:</b> Under the terms of the 1974 Memorandum of Understanding between the Government of Iceland and the U.S. Government, all military sponsored families and unaccompanied personnel are required to live on-base. No community support is therefore available. The Navy is responsible for providing housing support for all Navy and Air Force personnel stationed at Keflavik. The proposed construction is in support of a joint Navy/Air Force requirement. Dependent entry approval is required and is contingent upon housing availability. Due to increases in unaccompanied tour lengths from 12 to 18 months, there is increased incentive for members to elect accompanied tours to avoid prolonged separation from their families. Without available housing, they remain involuntarily separated while awaiting assignment to government quarters. Currently enlisted personnel face an eight to ten month wait for government quarters.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Military members will be forced to choose between involuntary separation from their families. Such a choice will likely lead to poor morale and dissatisfaction with the Navy. Retention will be adversely impacted.</p> <p>Project design conforms to Part II of Military Handbook 1190, "Facility Planning and Design Guide".</p> <p>NATO funding is not applicable to this project because it is not in a category eligible for NATO common funding.</p> <p>Bilateral agreement of 1951 covering the U.S. presence in Iceland for defense purposes provides for U.S. unilateral construction of support facilities, other than those eligible for NATO common funding.</p>	

MILITARY FAMILY HOUSING JUSTIFICATION				1. DATE OF REPORT 17 FEBRUARY 1988	2. FISCAL YEAR 1988	REPORT CONTROL SYMBOL DD-641A(1)1716		
3. GND COMPONENT NAVY		4. REPORTING INSTALLATION a. NAME NAS Keflavik		b. LOCATION Iceland				
5. DATA AS OF 31 JANUARY 1988								
ANALYSIS OF REQUIREMENTS AND ASSETS	CURRENT				PROJECTED			
	OTHER DD	DD-64 DD	DD-61 DD	TOTAL DD	OTHER DD	DD-64 DD	DD-61 DD	TOTAL DD
6. TOTAL PERSONNEL STRENGTH	582	2519	719	3820	419	2487	627	3533
7. PERMANENT PARTY PERSONNEL	413	2227	600	3240	417	2244	525	3186
8. GROSS FAMILY HOUSING REQUIREMENTS	385	1690	126	2201	308	1654	97	2059
9. TOTAL UNACCEPTABLY HOUSED (a + b + c)	33	627	79	739				
a. INVOLUNTARILY SEPARATED	33	627	79	739				
b. UNACCEPTABLY HOUSED - MILITARY ASSETS	0	0	0	0				
c. UNACCEPTABLY HOUSED - COMMUNITY ASSETS	0	0	0	0				
10. VOLUNTARY SEPARATIONS	60	315	47	431	67	309	36	412
11. EFFECTIVE HOUSING REQUIREMENTS	316	1375	79	1770	241	1345	61	1647
12. ADEQUATE HOUSING (a + b)	160	753	0	915	157	1120	0	1277
a. UNDER MILITARY CONTROL	160	753	0	915	157	1120	0	1277
(1) Housed in Existing DOD Owned/Controlled	159	748	0	907	157	750	0	915
(2) Under Contract Approved					0	362	0	362
(3) Vacant	1	7	0	8				
(4) Inactive	0	0	0	0				
b. PRIVATE HOUSING	0	0	0	0	0	0	0	0
(1) Acceptably Housed	0	0	0	0	0	0	0	0
(2) Vacant Rental Housing	0	0	0	0	0	0	0	0
13. EFFECTIVE HOUSING DEFICIT (11 - 12)	156	620	79	855	84	225	61	370
14. PROPOSED PROJECT					37	75	0	112
15. TOTAL HOUSING ASSETS, INCLUDING PROPOSED PROJECT, AS PERCENTAGE OF PROJECTED EFFECTIVE REQUIREMENTS	a. MILITARY				80.5%	88.8%	0.0%	84.3%
	b. ALL HOUSING				80.5%	88.8%	0.0%	84.3%
16. REMARKS (Literally state conditions) Line 4: The Naval Air Station, Keflavik, Iceland, is a primary NATO strategic location. The facility is situated 27 miles WSW of Reykjavik (85,000 population) and one mile west of Keflavik (6,500 population) on a coastal lava plain. The economy is based on the fishing industry. Reykjavik is the center for all import-export traffic for Iceland. Under the terms of								

DD Form 1522, NOV 85

Previous editions are obsolete

(Continued on reverse)



16. REMARKS (Continued)

the Memorandum of Understanding between the Government of Iceland and the U.S. Government, all military sponsored families and unaccompanied personnel must reside on the Navy installation. No community housing is available.

Project Composition

75 Enlisted Units	22 2-bedroom JEM
	18 3-bedroom JEM
	4 2-bedroom SEM
	31 3-bedroom SEM
37 Officer Units	12 2-bedroom CGO
	4 3-bedroom CGO
	4 4-bedroom CGO
	11 3-bedroom FGO
	6 4-bedroom FGO
	<u>112</u> Total Units

DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE  
CONSTRUCTION IMPROVEMENTS

(In Thousands)

FY 1991 Program \$45,951  
FY 1990 Program \$42,086

Purpose and Scope

This program provides for alterations, additions, expansions, or extensions to existing public quarters which will materially increase the useful life and livability of the units improved at a minimum of capital investment; includes energy conservation investments which meet energy savings criteria.

Authorization is requested for:

- (1) Various improvements to existing family housing: and
- (2) Appropriation of \$45,951,000 to fund these improvements.

Exhibit FR-6

1. COMPONENT NAVY		FY 19 <sup>81</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE UNITED STATES			4. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		
5. PROGRAM ELEMENT	6. CATEGORY CODE 711	7. PROJECT NUMBER VARIES	8. PROJECT COST (\$000) \$45,951		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
FAMILY HOUSING - ALTERATIONS, ADDITIONS AND REHABILITATIONS		L/S	--	--	45,951
TOTAL REQUEST					45,951
10. DESCRIPTION OF PROPOSED CONSTRUCTION Alterations and modernization of kitchens and baths; improvements to heating and cooling systems; provision of storage and utility rooms; interior rearrangements; provision of additional bathrooms, closets and family room; provision of carports, patios, privacy screening and storage; provision of ceiling and wall insulation; provision of storm windows and doors; provision of landscaping, play areas.					
11. REQUIREMENT: The improvements will provide safe and decent living conditions for housing occupants, are considered significant in personnel retention and are consistent with good property management techniques.					
IMPACT IF NOT PROVIDED: Units and supporting systems will continue to be used "as is" with increasing obsolescence and unnecessary high energy use.					
Project designs conform to Part II of Military Handbook 1190, "Facility Planning and Design Guide".					

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
FAMILY HOUSING IMPROVEMENTS			
INSTALLATION/LOCATION/PROJECT DESCRIPTION		(\$000) CURRENT WORKING ESTIMATE	
<u>INSIDE THE UNITED STATES</u>			
<u>ALASKA</u>			
NS Adak		2,899.3	
Improvements to 82 enlisted units. Provides for blown insulation into the attic spaces, partitioning of the garage and laundry areas to obtain a more secure storage area, installation of a fire life safety window in each master bedroom, bathroom vanities, tub enclosures, exhaust fans, ground fault interrupter receptacles, new medicine cabinets, energy efficient lighting, weatherstripping on exterior doors and setback thermostats. Includes installation of weather alcoves, gutters and downspouts, additional off-street parking and construction of dumpster pads.			
<u>CALIFORNIA</u>			
MCR Camp Pendleton		1,069.0	
Improvements to 1,176 officer and enlisted units. Provides for galvanized metal gutters, downspouts, stops and splash pads at front and rear entrances.			
MCB Camp Pendleton		670.0	
Improvements to 170 enlisted units. Provides for new kitchen cabinets, patio enclosures, and reconfiguring the dining and kitchen areas to create a family room. Includes an additional \$6,972.2K of concurrent repairs. (See Separate DD Form 1391.)			
MCAS Tustin		147.0	
Improvements to 861 enlisted units. Provides for the installation of a six foot high block wall fence.			
NS Long Beach		1,029.4	
Improvements to 111 officer and enlisted units. Provides for screen doors, dishwashers, cabinets in utility rooms, hot water heaters, bathroom vanities and exhaust fans. Includes gutters and downspouts, splash blocks, water diverters, patio covers, and a concrete walkway between utility rooms, garages and backyards.			

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1. COMPONENT		2. DATE	
NAVI		FY 1991 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
FAMILY HOUSING IMPROVEMENTS			
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		<u>CURRENT WORKING ESTIMATE</u>	
		(\$000)	
<u>INSIDE THE UNITED STATES</u>			
NS Mare Island		319.7	
Improvements to 211 officer and enlisted units. Provides for installation of dishwashers, fluorescent lighting and additional ground fault interrupter outlets.			
NPGS Monterey		206.4	
Improvements to 278 officer units. Provides for installation of bathroom vanities.			
PWC San Diego		429.3	
Improvements to 217 enlisted units, Phase II. Provides for dishwashers and additional kitchen cabinets.			
PWC San Diego		248.5	
Improvements to 32 officer and enlisted units. Provides for exhaust fans, additional electrical outlets in kitchens and bathrooms, energy efficient interior light fixtures, and ductwork insulation.			
PWC San Francisco		1,643.2	
Improvements to 560 officer and enlisted units. Provides for privacy fencing and garbage enclosures.			
PWC San Francisco		471.7	
Improvements to 260 officer and enlisted units. Provides for privacy fencing.			
PWC San Francisco		502.8	
Improvements to 30 enlisted units. Provides for construction of carports, patio slabs and privacy fencing.			

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
FAMILY HOUSING IMPROVEMENTS			
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		<u>CURRENT WORKING ESTIMATE</u>	
		(\$000)	
<u>INSIDE THE UNITED STATES</u>			
<u>CONNECTICUT</u>			
NSR New London		397.8	
Improvements to 150 enlisted units. Provides for fire rated walls in place of existing furnace room doors and new exterior doors to replace interior doors, wired smoke detectors, bathroom exhaust/light fixtures, ducted range hoods, dishwashers, ground fault interrupter receptacles, energy efficient light fixtures in kitchens, bathrooms and basements, and an expanded parking area.			
NSR New London		969.3	
Improvements to 500 officer and enlisted units. Provides for exterior storage sheds.			
<u>FLORIDA</u>			
NS Mayport		8.8	
Improvements to one flag unit. Provides for a screen porch including site work, installation and finishings.			
NS Mayport		50.1	
Improvements to 10 officer units. Provides for screen porches including site work, installation, and finishing.			
NS Mayport		3,351.8	
Improvements to 669 officer and enlisted units. Provides for screen porches including site work, installation, and finishing.			
NCSC Panama City		102.0	
Improvements to 65 officer and enlisted units. Provides for installation of rear doors (including hardware), front and rear storm doors, radiant heat barrier window film, and construction of concrete patios and privacy screen.			

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCs INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
FAMILY HOUSING IMPROVEMENTS			
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		<u>((\$000) CURRENT WORKING ESTIMATE</u>	
<u>INSIDE THE UNITED STATES</u>			
NCSC Panama City		25.1	
Improvements to five officer units. Provides for heat pump supply well. Includes drilling four inch diameter supply well, installing pump, constructing an equipment house, installing pressure tanks, and connecting water supply to units.			
PWC Pensacola		10.6	
Improvements to two officer units. Provides for construction of concrete swales to divert excess water overflow away from carports into the drainage system.			
PWC Pensacola		21.5	
Improvements to two officer units. Provides for additional bathrooms including electrical, plumbing, and insulation work.			
<u>GEORGIA</u>			
MCLR Albany		285.0	
Improvements to 270 officer and enlisted units, Phase II. Provides for installation of blown-in insulation.			
<u>ILLINOIS</u>			
NAS Glenview		669.4	
Improvements to 19 trailer pads. Provides for expansion of the trailer park by relocating 19 of the 37 trailer pads (every other one) to the opposite side of the street. Includes removing 19 old pads, constructing 19 new pads, providing electrical, water and sewer services, constructing sidewalks and widening the streets.			

1. COMPONENT	FY 19 <sup>9</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE
NAVY			
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
FAMILY HOUSING IMPROVEMENTS			
INSTALLATION/LOCATION/PROJECT DESCRIPTION		(\$000) CURRENT WORKING ESTIMATE	
<u>INSIDE THE UNITED STATES</u>			
PWC Great Lakes		5,624.5	
Improvements to 178 enlisted units, Phase I. Provides for finished basements, central air conditioning, garages, wired smoke detectors, suspended ceilings in all units except single family units, relocation of electrical outlets in kitchens and dining rooms, ceiling light fixtures in bedrooms, ground fault interrupter receptacles, patios, storage sheds, privacy fencing and additional shrubbery. Includes an additional \$3,620.1K of concurrent repairs. (See Separate DD Form 1391.)			
<u>LOUISIANA</u>			
NAS New Orleans		84.2	
Improvements to 15 enlisted units. Provides for fascia and soffit vinyl sidings.			
<u>MARYLAND</u>			
NSF Thurmont		182.4	
Improvements to 21 officer and enlisted units. Provides for ductwork insulation, smoke detectors, central air conditioning, improved electrical distribution system, kitchen reconfiguration to include installation of new dishwashers and added cabinet space. Includes an additional \$720.5K of concurrent repairs. (See Separate DD Form 1391.)			
<u>MASSACHUSETTS</u>			
DODFHF Westover		538.7	
Improvements to 124 officer and enlisted units. Provides for additional security lighting at front and rear entrances, wooden privacy screen between units, enclosures for refuse containers, skylight covering, extension of entrance landings, column supports at rear entrance canopies, gutters and downspouts at rear entrances, transparent cover for basement window wells, insulation in basement			



1. COMPONENT	2. DATE	
NAVY	FY 19 91 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION		
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES		
4. PROJECT TITLE	5. PROJECT NUMBER	
FAMILY HOUSING IMPROVEMENTS		
<div style="text-align: right;">(\$000)</div> <div style="display: flex; justify-content: space-between;"> <div>INSTALLATION/LOCATION/PROJECT DESCRIPTION</div> <div>CURRENT WORKING ESTIMATE</div> </div> <div style="text-align: center; margin-top: 10px;"><u>INSIDE THE UNITED STATES</u></div> <p>DODFHP Westover (Continued) ceilings and additional kitchen cabinets in 80 units. Includes bathroom exhaust fans and light fixtures, interior light fixtures at top of stairwells, and ground fault interrupter receptacles.</p> <p><u>MISSOURI</u> MCPC Kansas City 189.0 Improvements to 240 officer and enlisted units. Provides for construction of sidewalks.</p> <p><u>NEVADA</u> NAS Fallon 33.6 Improvements to one installation commander quarters. Provides for conversion of a sunroom into a bathroom, additional kitchen cabinets and electrical outlets. Converts present utility room into a storage room. Includes an additional \$96.9K of concurrent repairs. (See Separate DD Form 1391.)</p> <p><u>NEW YORK</u> NS New York 4,502.9 Improvements to 191 officer and enlisted units, Phase I. Provides for ground fault interrupter receptacles, central air conditioning, hot water heaters, non-slip stair treads, exterior mailboxes with locks, vinyl shutters, vestibules, wired smoke detectors, lighting in crawl spaces, frost free hose bibbs at rear of each unit, dishwashers, and exhaust fans. Includes resilient surfacing around playground equipment, additional playground equipment, shrubbery, screening and pads for dumpsters.</p> <p><u>NORTH CAROLINA</u> MCB Camp Lejeune 781.0 Improvements to 189 officer and enlisted mobile home spaces. Provides for enlarging patios, construction of carports and storage buildings.</p>		

1. COMPONENT	FY 1991 MILITARY CONSTRUCTION PROJECT DATA		2. DATE
NAVY			
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
FAMILY HOUSING IMPROVEMENTS			
INSTALLATION/LOCATION/PROJECT DESCRIPTION		(\$000) CURRENT WORKING ESTIMATE	
<u>INSIDE THE UNITED STATES</u>			
MCAS Cherry Point Improvements to 42 officer and enlisted units. Provides for out door recreational patios.		382.0	
<u>PENNSYLVANIA</u>			
NS Philadelphia Improvements to 200 enlisted housing units, Phase I. Provides for wooden hand rails and safety treads on interior stairs, wrought iron railing on exterior stairs, bathroom vanities and exhaust fans, ductwork insulation, ground fault interrupter receptacles, additional receptacles, vinyl window shutters, entrance canopies, garbage can enclosures, and cable television outlets.		3,787.4	
NADC Warminster Improvements to four enlisted units. Provides for additional electrical receptacles, interior storage space, exterior storage sheds, insulation on ductwork and receptacles, heater covers for spark ignition and humidifier.		35.9	
<u>RHODE ISLAND</u>			
NETC Newport Improvements to 102 officer and enlisted units. Provides for dishwashers, garbage disposals, bathroom exhaust fans, concrete patios, privacy fencing, additional electrical receptacles, conversion of carports to garages, and additional shrubby.		1,484.9	
<u>SOUTH CAROLINA</u>			
NWS Charleston Improvements to mobile home park. Provides for an addition of 92 concrete runners to support sinking slabs and an additional 14 concrete slabs.		33.6	

1. COMPONENT		2. DATE	
NAVY		FY 1991 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCs INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
FAMILY HOUSING IMPROVEMENTS			
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		<u>CURRENT WORKING ESTIMATE</u>	
		(\$000)	
<u>INSIDE THE UNITED STATES</u>			
<u>TENNESSEE</u>			
NAS Memphis		31.0	
Improvements to 486 enlisted units. Provides for widening two streets and installation of nine speed breakers.			
<u>VIRGINIA</u>			
PWC Norfolk		190.4	
Improvements to 225 enlisted units. Provides for improved exterior door and window locks.			
PWC Norfolk		370.7	
Improvements to 609 enlisted units. Provides for landscaping including shade trees, flowering trees, and shrubbery.			
PWC Norfolk		190.8	
Improvements to 257 enlisted units. Provides for improved exterior door and window locks, relocation of porch lights and installation of house numbers.			
PWC Norfolk		124.4	
Improvements to 114 enlisted units. Provides for landscaping to include shade trees, flowering trees, and shrubbery.			
PWC Norfolk		64.8	
Improvements to 72 officer units. Provides for installation of fire walls with 2" x 4" wooden studs and 5/8" fire resistant sheet in attic areas.			
PWC Norfolk		18.0	
Improvements to one officer unit. Provides for disconnection of utilities, demolishing existing quonset hut, and constructing a 1-1/2 car garage.			
MCB Quantico		53.0	
Improvements to six enlisted units. Provides for concrete patios with sun shades.			

1. COMPONENT		2. DATE	
NAVY		FY 1991 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
FAMILY HOUSING IMPROVEMENTS			
INSTALLATION/LOCATION/PROJECT DESCRIPTION		(\$000) CURRENT WORKING ESTIMATE	
<u>INSIDE THE UNITED STATES</u>			
NSGA Northwest		894.4	
Improvements to 24 enlisted units. Provides for kitchen area expansion, installation of dishwashers, garbage disposals, ducted range hoods, 40-gallon electric water heaters, heat pumps, detached exterior storage sheds, soffit vents, and pressure relief valves for hot water mains.			
NSGA Northwest		92.3	
Improvements to 51 officer and enlisted units. Provides for dishwashers, bathroom vanities, utility room shelves, and kitchen fluorescent lighting fixtures.			
NAVHOSP Portsmouth		1.7	
Improvements to one installation commander quarters. Provides for vanities, bathroom exhaust fans, electrical smoke detectors, additional receptacles, fluorescent lighting, and improved electrical system. Includes an additional \$30.4K of concurrent repairs. (See Separate DD Form 1391.)			
<u>WASHINGTON</u>			
NSB Bangor		1,762.0	
Improvements to 100 enlisted units. Provides for installation of new cabinets, dishwashers, countertops, stainless steel wall guards behind stoves, garbage disposals, new windows, combination storm/screen doors and improved kitchen and bathroom lighting. Includes improvements to carpports, sidewalks, steps, guardrails, carpport grading, exterior lighting, access roads and retaining walls. Includes an additional \$4,296.6K of concurrent repairs. (See Separate DD Form 1391.)			

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL AND MARINE CORPS INSTALLATIONS, VARLOCS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
FAMILY HOUSING IMPROVEMENTS			
INSTALLATION/LOCATION/PROJECT DESCRIPTION		(0000) CURRENT WORKING ESTIMATE	
<u>OUTSIDE THE UNITED STATES</u>			
<u>ICELAND</u>			
NAS Keflavik		971.2	
Improvements to 224 officer and enlisted units. Provides for sealing a total of 480 slab openings in ceilings with noncombustible sealing material to correct a serious fire hazard.			
NAS Keflavik		819.4	
Improvements to 132 officer and enlisted units. Provides for sealing a total of 264 slab openings in ceilings with noncombustible sealing material to correct a serious fire hazard.			
<u>JAPAN</u>			
MCAS Iwakuni		375.0	
Improvements to 44 officer and enlisted units. Provides for carpeting with cushioning in all family housing living spaces with the exception of the kitchen and bathrooms.			
<u>MARIANAS</u>			
PWC Guam		3,011.4	
Improvements to 53 officer and enlisted units. Provides for gutters with downspouts, dishwashers, range hoods, garbage disposals, additional kitchen cabinets, carports with storage and driveway, trash enclosures, patios, concrete privacy dividers, and protective coverings for air conditioners.			
<u>PHILIPPINES</u>			
PWC Subic Bay		522.0	
Improvements to 34 officers quarters. Provides for clothes lines, dishwashers, trash enclosures, and lowered ceilings in kitchen, living room, dining room, and bedrooms. Includes installation of water base panels, electrical receptacles, and additional landscaping. Includes an additional \$1,291.1K of concurrent repairs. (See Separate DD Form 1391.)			

1. COMPONENT NAVY	2. DATE FY 19 <sup>91</sup>	3. DATE
4. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOC INSIDE AND OUTSIDE THE UNITED STATES		
5. PROJECT TITLE FAMILY HOUSING IMPROVEMENTS		6. PROJECT NUMBER
<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		<u>CURRENT WORKING ESTIMATE</u> (\$000)
<u>OUTSIDE THE UNITED STATES</u>		
<u>PUERTO RICO</u> NS Roosevelt Roads Improvements to 32 enlisted units. Provides for removal of existing window air conditioners, installation of central air conditioners, ductwork, refrigerant tubing and piping, controls and related appurtenances, construction of road between existing housing buildings, and one carport for each unit. Includes an additional \$1,047.9W of concurrent repairs. (See Separate DD Form 1391.)		738.3
<u>SPAIN</u> NS Rota Improvements to 162 officer and enlisted units. Phase II. Provides for kitchen and bathroom ceramic wall tile finishes, kitchen base and wall cabinets, range exhaust hoods, bathroom accessories, fixtures, and fluorescent light fixtures in the kitchen and laundry rooms. Includes construction of linen closets, installation of closet doors and shelves, and relocation of electric range power outlets.		2,534.0

1. COMPONENT HSMC		FY 19 91 MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION MARINE CORPS BASE CAMP PENDLETON, CA			4. PROJECT TITLE WHOLEHOUSE IMPROVEMENTS/REPAIRS WNIII		
5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER PE-H-187-R2/ PE-H-138-M2	8. PROJECT COST (\$000) \$7,642.2		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
FAMILY HOUSING IMPROVEMENTS	LS			670.0	
CONCURRENT REPAIRS AND MAINTENANCE	LS			6,972.2	
TOTAL REQUEST (ROUNDED)				7,642.2	
Area Cost Factor = 1.19					
10. DESCRIPTION OF PROPOSED CONSTRUCTION Project will improve units by installing new cabinets, patio enclosures and reconfiguring dining and kitchen areas to create a family room. Repairs will correct landscaping deficiencies, replace fencing, windows, doors, screens, replaster, re-insulate, refinish bathrooms and laundry rooms, replace plumbing, lighting, rewire and repair walls. Paint the interior and exterior of units.					
11. REQUIREMENT: This project will provide major repairs and improvements to 170 Wire Mountain III area units.					
CURRENT SITUATION: Wire Mountain III was constructed in 1964 and requires major repairs to prevent further deterioration. Improvements and reconfigurations will convert the units to current standards of living.					
IMPACT IF NOT PROVIDED: Failure to provide necessary repairs will result in further deterioration. Failure to provide improvements will cause occupants to live in units whose configuration is substandard to current day design.					

1. COMPONENT NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER GREAT LAKES, IL			4. PROJECT TITLE WHOLEHOUSE IMPROVEMENTS/REPAIRS TO 178 ENLISTED UNITS		
5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HC-1-86 PHASE I	8. PROJECT COST (\$000) \$9,244.6		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
FAMILY HOUSING IMPROVEMENTS	EA	178	31,598	5,624.5	
CONCURRENT REPAIRS AND MAINTENANCE	EA	178	20,338	3,620.1	
	EA	178	51,936	9,244.6	
TOTAL REQUEST				9,244.6	
Area Cost Factor = 1.09					
10. DESCRIPTION OF PROPOSED CONSTRUCTION This project encompasses wholehouse improvements and repairs to 178 enlisted housing units in Halsey Village. Improvements: Provides for finished basements, wired smoke detectors, new suspended ceiling, (in all units), except single family units, central air conditioning, ceiling light fixtures in bedrooms, electrical outlets in bedrooms, ceiling light and outlets in basements, ground fault interrupter electrical receptacles, new garages, patios, storage sheds, privacy fencing, and additional plants. Repairs: Include weatherstripping of all exterior doors, replacement of windows, storm doors, roofing, soffits, roof vents, attic insulation over bedroom and bathroom ceilings, ductwork, ceiling in basement, tubs, tub enclosures, closet doors, tot lots, and replacement of curbs and gutters, and sidewalk.					
11. REQUIREMENT: Wholehouse improvements and repairs to improve the living conditions and quality of life of 178 enlisted families at Halsey Village.					



1. COMPONENT NAVY	2. DATE FY 19 <sup>91</sup>	MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER GREAT LAKES, IL			
4. PROJECT TITLE IMPROVEMENTS		5. PROJECT NUMBER	
<p><b>CURRENT SITUATION:</b> Improvements: Existing smoke detectors are battery operated, they require monitoring for proper operation, weak, dead, or missing batteries. The cathedral type ceiling wastes energy and causes stratification of heated air between the first and second floors. The outlet in the kitchen and dining area partition is improperly located causing extension cords to be used. There is no central air conditioning which other units have. The light fixture in bedroom does not provide adequate lighting for the bedroom or closet. Electric outlets in bedrooms are inadequate in number and location. Light fixtures in kitchens are inadequate and ineffective. Lighting level is not uniform due to the slope of the ceiling, the higher fixture bulb cannot be changed without a ladder. The wall bracket fixture is ineffective and not usable because the location causes a glare. Basements are unfinished, no floor, wall or ceiling finishes are provided. The basement walls are not insulated. Basement electrical wall outlets and fixtures are inadequate in number and location. Ground fault interrupter electrical receptacles are not provided in accordance with the National Electrical Code. Carports or parking stalls provide inadequate protection for severe climatic conditions in this area, the carports are at the end of their useful life and are outdated, they require reroofing and repairs, they do not provide secure or concealed spaces for storage. Patios have not been provided for private outdoor living space. Storage sheds have not been provided for exterior bulk storage. Privacy fencing is needed between patios. Planting is very sparse. Repairs: Weatherstripping for exterior doors are either worn, missing, damaged ineffectively or incorrectly installed. Windows are old, difficult to operate, poorly weatherstripped, permit excessive air infiltration, and do not have thermal-break in the aluminum frame. Storm doors are of poor quality and near the end of their useful life, some are damaged and ill-fitting due to their poor quality and heavy usage. Soffits and fascia boards are damaged, loose, and deteriorated. Soffit vents are inadequate in size and clogged with dirt and paint, no other attic ventilation is provided. Gravel and asphalt roofs are at the end of their useful life. Attic insulation over bedrooms, closets, and halls is inadequate. Ductwork for living/dining and kitchen is properly located and runs below the floor slab, water is infiltrating, and it requires cleaning which is not possible because of its location. Ceiling in basement under the bathroom is damaged due to water leaks and maintenance work. Existing tubs and enclosures are a continual maintenance problem, refinishing of the tubs has not worked, water leaking from the tub edge, drain overflow and ceramic tile has been a constant problem, the repairs have produced an unsightly appearance. The metal closet doors are a constant maintenance problem. Tot lots are in poor condition. Curbs, gutters, and sidewalks are cracked and broken.</p>			

1. COMPONENT NAVY	2. DATE FY 19 <sup>91</sup>	MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION NAVY PUBLIC WORKS CENTER GREAT LAKES, IL			
4. PROJECT TITLE IMPROVEMENTS		5. PROJECT NUMBER	
<p><b>IMPACT IF NOT PROVIDED:</b> Smoke detector may not operate when needed. Energy will continue to be wasted and the heat will continue to stratify if the ceilings are not lowered. Extension cords will continue to be used if the outlets are not located properly. Window air conditioning units will continue to be used or units will be uncomfortable without them. Some areas of the units will not be well lighted. Basements will continue to be under utilized. A fatal shock may occur without the ground fault interrupter receptacles. Cars and other personal items will be stored outside and not be protected from the weather. The outdoor living spaces will not be attractive nor desired by occupants. If windows and doors are not replaced they will continue to deteriorate, have increasing maintenance costs, and waste more energy. The roofing will continue to deteriorate. Without additional insulation in the attic the units will continue to waste energy and the occupants will not be comfortable. The bathrooms will continue to have high maintenance costs and look unsightly. Children will not have a safe place to play. The curbs, gutters, and sidewalks will continue to deteriorate. This will impact morale.</p>			

1. COMPONENT NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL SUPPORT FACILITIES THURMONT, MD			4. PROJECT TITLE WHOLEHOUSE IMPROVEMENTS/REPAIRS TO 21 OFFICER/ENLISTED UNITS		
5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HC-01-87 HR-01-87	8. PROJECT COST (\$000) \$ 902.9		
9. COST ESTIMATES					
ITEM	UM	QUANTITY	UNIT COST	COST (\$000)	
FAMILY HOUSING IMPROVEMENTS	EA	21	8,686	162.4	
CONCURRENT REPAIRS AND MAINTENANCE	EA	21	34,310	720.5	
	EA	21	42,996	902.9	
TOTAL REQUEST				902.9	
Area Cost Factor = 0.95					
10. DESCRIPTION OF PROPOSED CONSTRUCTION Improvements to 21 officer and enlisted units. Improvements: Provides for crawl-space insulation in five units, ductwork insulation, reconfiguration of kitchens to include dishwashers, additional kitchen cabinets, improved electrical distribution system and additional electrical circuits. Improvements also consist of hard wired smoke detectors, central air conditioning, relocation of the washers and dryers from the kitchens to utility rooms. Quarters "A" will be reconfigured to accommodate an added bedroom. Repair work includes replacement of bathroom floors, tubs, water closets, sinks, vanities and wall tiles. The exterior doors, hardware and frames, windows, kitchen cabinets, furnaces, and access roadway will also be replaced.					
11. REQUIREMENT: Improve the living conditions of 21 officer and enlisted families assigned to NSF Thurmont.					
CURRENT SITUATION: These units were built in the early 1960's and have received little interior renovation. There is no insulation in the crawl-space area of five units. Cold damp air permeates these units during the winter months. Kitchens are twenty-eight years old and are inadequate due to lack of proper modern day appliances. There is insufficient storage space. Kitchens lack dishwashers and have an insufficient number					

1. COMPONENT NAVY	2. DATE
FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION NAVAL SUPPORT FACILITIES THURMONT, MD	
4. PROJECT TITLE IMPROVEMENTS	5. PROJECT NUMBER
<p>of properly grounded electrical receptacles. The electrical system is being over-loaded due to lack of adequate circuitry. Smoke detectors are battery operated. Heating systems are original oil fired furnaces. These furnaces require an extensive amount of maintenance and units are very uncomfortable during the summer months. There is no air conditioning. Quarters "A" has a modified 3rd bedroom which does not have closet space and is undersized. Bathroom floors and wall tiles are deteriorated, marred and have reached the end of their economic life. Bathroom tubs, water closets, sinks and vanities are old and deteriorated, finishes are discolored and surfaces are hard to clean. Exterior doors are not weathertight, sills not level, frames are cracked, hardware deteriorated, window sash and frames are deteriorated, sash cords are broken, windows fit poorly, are difficult to open and close and waste energy. Kitchen cabinets are old, have been painted numerous times, and the doors are difficult to open and close. The access roadway surface is spalled, cracked and settled, base course has failed, which causes added inconvenience to occupants.</p> <p><u>IMPACT IF NOT PROVIDED:</u> Improvements/Repairs: Deterioration of stated items will continue, and will be a principal source of discontent to the occupants. Units will continue to waste energy and have excessive maintenance costs increasing occupant inconvenience. Safety will be compromised with the extensive use of electrical extension chords. Occupants will continue to be exposed to potential electrical hazards. Quarters "A" will continue to be the only unit with an undersize third bedroom. Units and supporting systems will continue to be used as is with increased long term maintenance and repair problems.</p>	

1. COMPONENT NAVY		91 FY 19__ MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AIR STATION FALLON, NV			4. PROJECT TITLE IMPROVEMENTS/REPAIRS TO ONE INSTALLATION COMMANDER QUARTERS		
5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HC-01-85	8. PROJECT COST (\$000) \$ 130.4		
<b>9. COST ESTIMATES</b>					
ITEM	UOM	QUANTITY	UNIT COST	COST (\$000)	
FAMILY HOUSING IMPROVEMENTS	EA	1	33,600	33.6	
CONCURRENT REPAIRS AND MAINTENANCE	EA	1	96,800	96.8	
			130,400	130.4	
TOTAL REQUEST				130.4	
Area Cost Factor = 1.00					
<p>10. DESCRIPTION OF PROPOSED CONSTRUCTION: Improvements and repairs to one installation commander quarters. Provides for additional kitchen cabinets, electrical outlets, conversion of a sunroom into a bathroom, construction of a combination utility and laundry room, conversion of the present utility room into a storage room. Repairs include replacement of the heating system, septic tanks, water heater, sprinkler system, and correction of drainage problems.</p> <p>11. REQUIREMENT: Improve quality of life amenities for the Installation Commander of NAS Fallon and complete the needed repairs as stated above.</p> <p>CURRENT SITUATION: Improvements: The utility room is poorly located and provides little room to work on furnace or water heater. The present laundry area is located in a separate building, is subject to freezing in cold weather and is extremely inconvenient during inclement weather. Interior storage is very limited resulting in some of the occupant's personal property is being stored in the garage. The kitchen has limited storage capacity. For additional space, occupants normally use closets to store dishes and appliances. The diningroom and parts of the entertainment area have no electrical outlets. Electrical power for these areas is provided by use of extension cords. Repairs: Existing heating system is inadequate to heat entire unit. Heat is not ducted into one bedroom and the family room. Furnace is old and in deteriorated condition. Ductwork is rusted and leaking. Existing metal septic tanks</p>					

1. COMPONENT NAVY	2. DATE FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA
3. INSTALLATION AND LOCATION NAVAL AIR STATION FALLON, NV	
4. PROJECT TITLE IMPROVEMENTS	5. PROJECT NUMBER
<p>are rusted and do not process sewage properly before liquids are distributed to leach field for percolation into soil. Septic tanks have had to be pumped several times to remove build up of solids. One leach field is located in a flood irrigated pasture which is lower than the lawn area. Irrigation gets into leach lines and renders them inoperable. Sprinkler system is old and does not provide proper coverage. Yard drainage is in poor condition creating standing water next to the unit which creates structural problems and a mosquito habitat. Existing windows are single pane wood frame units which are in poor condition, do not fit properly and create significant energy loss. Electric water heat is old and very expensive to operate.</p> <p><b>IMPACT IF NOT PROVIDED:</b> High utility costs will continue. The health and safety of the military family occupying the unit is in jeopardy from backup of raw sewage if the system is not replaced. Structural problems to the unit could be encountered unless the sprinklers and drainage problems are corrected to keep water away from the unit. Occupant inconvenience will be exacerbated due to insufficient kitchen cabinets, lack of electrical outlets and the absence of privacy afforded by a powder room. Laundry facilities will remain outside the main dwelling unit continuing inconvenience and posing a possibly injurious situation with the risk of freezing of the laundry room including costly damage to occupant washing machine. Personal property will continue to be stored under unsuitable conditions in the garage.</p>	

1. COMPONENT <b>NAVY</b>		2. DATE	
FY 19 <u>91</u> <b>MILITARY CONSTRUCTION PROJECT DATA</b>			
3. INSTALLATION AND LOCATION <b>NAVAL HOSPITAL PORTSMOUTH, VIRGINIA</b>		4. PROJECT TITLE <b>IMPROVEMENTS/REPAIRS TO OTS "A" (ICO)</b>	
5. PROGRAM ELEMENT <b>IMPROVEMENTS</b>	6. CATEGORY CODE <b>711-44</b>	7. PROJECT NUMBER <b>HC-11-A5 HR-02-85</b>	8. PROJECT COST (\$000) <b>\$ 82.1</b>
<b>9. COST ESTIMATES</b>			
ITEM	UOM	QUANTITY	COST (\$000)
FAMILY HOUSING - IMPROVEMENTS	EA	1	1.7
CONCURRENT REPAIRS AND MAINTENANCE	EA	1	80.4
	EA	1	82.1
<b>TOTAL REQUEST</b>			<b>82.1</b>
<p>10. DESCRIPTION OF PROPOSED CONSTRUCTION</p> <p><b>IMPROVEMENTS:</b> Includes the provision of vanity dressing tables, bathroom exhaust fans, smoke detectors on the 2nd and 3rd floors, an additional receptacle in the serving area, and a fluorescent light fixture in the serving area.</p> <p><b>REPAIRS:</b> Repair work includes the replacement of deteriorated porch flooring, metal porch roof, gutters, downspouts, roof skylight, porch columns (4), porch column bases (3), and the repair of rotting wood porch paneling and wood trim. Also included is the refinishing of interior and exterior woodwork and doors and the repair of exterior stucco (by sandblasting and repainting). Mechanical repairs include the replacement of leaking or deteriorated bathtub fittings. The inefficient and troublesome steam generated hot water heating system will be replaced with a ducted heat pump system. Electrical repairs consist of the provision of electrical service to the heat pump system and minor repairs to certain electrical devices. Heat pump air conditioning will replace current window air conditioning units.</p> <p>11. <b>REQUIREMENT:</b> Improve the living condition of the quarters assigned to the Installation Commander.</p> <p><b>CURRENT SITUATION:</b> The lack of a bathroom storage area and mechanical ventilation is a source of occupant dissatisfaction. Insufficient distribution of smoke detectors is a potential hazard in the event of a</p>			

1. COMPONENT NAVY	FY 19 <sup>61</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL HOSPITAL, PORTSMOUTH, VIRGINIA			
4. PROJECT TITLE Improvements/Repairs to Qtrs "A" (ICQ)		5. PROJECT NUMBER HC11-85 HR2-86	
<p>fire. The preparation of meals is impaired by the absence of certain electrical outlets in the serving area. Deteriorated roofs and leaking plumbing are causing structural damage to the quarters. Woodwork and exterior stucco are unsightly and impractical to maintain. Heating systems are very costly to operate and require excessive maintenance. Improper electrical grounding is a hazard to the occupant. Window air conditioning units are inefficient and require constant maintenance.</p> <p><u>IMPACT IF NOT PROVIDED:</u> The Installation Commander will continue to occupy quarters which lack certain amenities normally provided at this level and will also continue to occupy quarters which are deficient and not appropriate for this level of responsibility. Further structural damage can be anticipated and operation/maintenance costs will escalate if these repairs are delayed.</p>			



1. COMPONENT NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, BANGOR BREMERTON, WASHINGTON			4. PROJECT TITLE IMPROVEMENTS/REPAIRS TO 100 ENL. UNITS & OTHER REAL PROPERTY		
5. PROGRAM ELEMENT IMPROVEMENTS	6. CATEGORY CODE 711	7. PROJECT NUMBER HC-02-85 PHASE II	8. PROJECT COST (\$000) \$6,058.6		
9. COST ESTIMATES					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
FAMILY HOUSING IMPROVEMENTS	EA	100	17,620	1,762.0	
CONCURRENT REPAIRS AND MAINTENANCE	EA	100	42,966	4,296.6	
	EA	100	60,586	6,058.6	
TOTAL REQUEST				6,058.6	
Area Cost Factor = 1.14					
<p>10. DESCRIPTION OF PROPOSED CONSTRUCTION</p> <p>This project consists of wholehouse repairs and improvements to 60 two bedroom single level enlisted family housing units and detached carports and 40 four bedroom townhouse style enlisted family housing units and detached carports at Jackson Park, FY-70 construction, and other real property repairs and improvements to the entire FY-70 construction area of 200 units. Included are improvements to kitchens and bathrooms, installation of new cabinets, dishwashers, countertops, stainless steel wall guards behind stoves, garbage disposals, combination storm/screen doors, bedroom and closet lighting, improved kitchen and bathroom lighting and lowering bathroom ceilings. Concurrent repairs include replacement of wood and vinyl cove base molding, bathroom accessories, range hoods, kitchen and bathroom exhaust fans, stair treads and risers (in four BR units), front entries, carports, exterior storage areas, garbage can storage areas, sliding, privacy fences and replacement of windows, sliding glass and patio doors, reroofing quarters and carports and installation of gutters and downspouts on carports and outside storage areas. Other real property improvements, which will include the entire FY-70 construction area of 200 units, include providing additional off street parking, steps on steep walkways, sidewalks as needed, grading and paving on sides of carports and installation of retaining walls where needed. Other real property repairs in the same are include repaving the roads, repair of sidewalks damaged by tree roots, replacement of parking bumpers where necessary, and relocation of catch basins.</p>					

1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	2. DATE
3. INSTALLATION AND LOCATION NAVAL SUBMARINE BASE, BANGOR BREMERTON, WASHINGTON		
4. PROJECT TITLE IMPROVEMENTS	5. PROJECT NUMBER	
<p>11. <u>REQUIREMENT</u>: Wholehouse architectural, plumbing and electrical improvements and repairs are required to meet current standards and to decrease maintenance and energy costs.</p> <p><u>CURRENT SITUATION</u>: Solid core entry doors, exposed to the elements since construction, show severe weathering. Adequate cross-ventilation in warm weather is nearly impossible, as storm/screen doors are not currently provided. Single glazed windows and patio doors are not energy efficient and do not operate freely in their present state.</p> <p>The 12 foot high bathroom ceilings cannot be cleaned by residents and the 7 foot high exhaust fans cannot ventilate the high area sufficiently. The lack of sufficient ventilation creates excessive moisture and mildew buildup on the bathroom ceilings which increases maintenance. Moisture buildup is also a problem under the roof, because these townhouse units have cathedral ceilings, contain no attic and were constructed without through-roof ventilation.</p> <p>Because no bedroom lighting is provided, residents are obligated to provide more than the usual amount of table lamps to light these rooms. Further, this phase of construction was built in a heavily wooded area which tends to filter out much of the natural light.</p> <p>Kitchens are small and inconvenient. The finish on range hoods installed in 1970 shows the effects of abrasive cleanser and have become dented over the years. This phase of construction at Jackson Park contains neither dishwashers nor garbage disposals. Kitchen cabinets and countertops are chipped and stained.</p> <p>Hardwood parquet flooring in living areas, in most cases, is becoming too thin to be further sanded, and 9 inch vinyl floor tiles can no longer be matched. The floor tile also has unsightly cracks and gaps caused by settling of the buildings. The cove base molding and trim shows wear and tear. These units currently have one full bathroom. Existing formica lavatory vanity shelving is chipped and stained. Medicine cabinet interiors are rusted. Fiberglass tubs have hairline cracks and, in some cases, are chipped and stained. Most bathroom and kitchen exhaust fan bearings are worn causing excessive noise. Floor plan in main bath is a poor use of space and is inconvenient and cumbersome for the occupants.</p>		

1. COMPONENT		2. DATE	
NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL SUBMARINE BASE, BANGOR BREMERTON, WASHINGTON			
4. PROJECT TITLE		5. PROJECT NUMBER	
IMPROVEMENTS			
<p>Decking and rails have become weathered, and dryrot is pervasive. Plywood canopy shrouds over upstairs bedroom windows also show signs of dryrot and are extremely weathered. These canopies will be removed rather than repaired to allow more daylight into the rooms. The original construction did not provide for gutters and downspouts for detached carports or outside storage areas. Channeling water away from these buildings is a continual concern. A roof over the back patio with gutters and downspouts will keep blowing rain off the patio and storage area and will allow for better use and less maintenance. Numerous roofs are leaking and maintenance problems on the roofs continue to escalate.</p> <p>Smoke detectors are battery operated. There is no energy efficient lighting.</p> <p>Lack of pedestrian walkways promotes cutting access landscaped areas creating unsightly erosion. Grassy areas against the sides of carports are difficult to maintain and promote pest infestation, and the narrow strips of grass serve no purpose. Parking is so limited that many occupants have only one parking space for their use. Lighting is minimal. Asphalt sidewalks are breaking up due to tree roots, parking bumpers are broken in numerous locations and catch basins are poorly located in the middle of pathways. Roads are in need of repaving throughout the area. Rockery and retaining walls are needed in areas too steep to mow. These steep areas are constant eyesores and sources of erosion.</p> <p><u>IMPACT IF NOT PROVIDED:</u> These are the only units at Jackson Park without dishwashers and garbage disposals. Without improvements and concurrent repairs to these 100 units, energy waste and high maintenance costs will continue to escalate and the condition of the units will deteriorate at an accelerated rate. Roofs will continue to leak and cause damage to occupants personal property, and the need for unsightly tarps on leaky roofs will increase. Lack of improvements and repairs on the other real property in the FY-70 area of construction (200 units) will escalate erosion, promote accidents and increase unsightliness of the area. Occupant dissatisfaction and demoralization will continue and in all likelihood escalate.</p>			

1. COMPONENT NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION PUBLIC WORKS CENTER, SUBIC BAY REPUBLIC OF THE PHILIPPINES			4. PROJECT TITLE WHOLESITE IMPROVEMENT/REPAIR TO 34 OFFICER UNITS		
5. PROGRAM ELEMENT IMPROVEMENTS		6. CATEGORY CODE 711-32/33	7. PROJECT NUMBER HC/R-4-91	8. PROJECT COST (\$000) \$1,813.1	
9. COST ESTIMATES					
ITEM		UOM	QUANTITY	UNIT COST	COST (\$000)
FAMILY HOUSING IMPROVEMENTS		EA	34	15,353	522.0
CONCURRENT REPAIRS AND MAINTENANCE		EA	34	37,974	1,291.1
				53,327	1,813.1
TOTAL REQUEST					1,813.1
Area Cost Factor = 0.9					
10. DESCRIPTION OF PROPOSED CONSTRUCTION This project encompasses wholehouse and site improvements to 34 officer units. Improvements: Provides for vehicle barriers to individual parking spaces, clothes lines, dishwashers, enclosure of trash area in rear of units, drop ceilings to kitchen, living room, dining room, and bedroom, meter base panels, ground fault interrupter receptacles to kitchen and garage areas, removal of trees, and stumps, and reinforce retainment walls. Repairs: Replace deteriorated venetian blinds, drapery rods, interior doors, exterior screen doors, mismatched floor tiles, kitchen cabinets, warped wall paneling, lavatory cabinet, gutters and downspouts, splash blocks, light fixtures, disconnect switches, and doorbell systems.					
11. REQUIREMENT: Vehicle barriers would prevent tenants from pulling their vehicle on to grass areas. Clothes lines will allow tenants to dry clothes outdoors, thus saving electricity. Enclosure of trash area will make units more sitely. Provision of new ceilings will enhance the aesthetic condition of units. Kitchens and baths receptacles should be brought up to NEC Code through addition of ground fault interrupter receptacles. Removal of stumps, trees, and vegetation will improve exterior grounds. Venetian blinds and curtain rods need to be replaced in order to operate efficiently. Floor tiles and kitchen cabinets should be made to match. Gutters, downspouts, and splash blocks will allow for proper drainage. Light fixtures and disconnect switches need to be brought up to date. Malfunctioning doorbell systems need to be replaced. Wall hung sinks are not compatible with vanities.					

1. COMPONENT NAVY	2. DATE FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA
3. INSTALLATION AND LOCATION PUBLIC WORKS CENTER, SUBIC BAY REPUBLIC OF THE PHILIPPINES	
4. PROJECT TITLE IMPROVEMENTS	5. PROJECT NUMBER
<p><b>CURRENT SITUATION:</b> Improvements/Repairs: Tenants pull vehicles into yard killing existing grass. Tenants in an extremely warm climate can not dry clothes outside. All dishes must be done by hand. Ceilings are cracked and paint is peeling. Insufficient number of electrical receptacles. Landscape is dangerous and unsitely. Venetian blinds and curtain rods will not open and close properly. Interior and exterior doors are deteriorated beyond repair. Different colors and styles of floor tiles and kitchen cabinets are an eyesore. Drainage of water is collecting around base of unit thus escalating maintenance expenditure. Disconnect switches are not modern enough to handle electrical load placed on them. Doorbell system is inoperative.</p> <p><b>IMPACT IF NOT PROVIDED:</b> Inaction will hasten further deterioration, compound future costs and magnify disparities with newer units. Occupant and command complaints will intensify. Utilization rates will suffer.</p>	

1. COMPONENT <b>NAVY</b>		FY 19 <u>91</u> <b>MILITARY CONSTRUCTION PROJECT DATA</b>		2. DATE	
3. INSTALLATION AND LOCATION <b>NAVAL STATION ROOSEVELT ROADS, PUERTO RICO</b>			4. PROJECT TITLE <b>WHOLEHOUSE IMPROVEMENTS/REPAIRS TO 32 ENLISTED UNITS</b>		
5. PROGRAM ELEMENT <b>IMPROVEMENTS</b>	6. CATEGORY CODE <b>711</b>	7. PROJECT NUMBER <b>HC-2/3-8R</b>	8. PROJECT COST (\$000) <b>\$1,804.2</b>		
<b>9. COST ESTIMATES</b>					
ITEM	U/M	QUANTITY	UNIT COST	COST (\$000)	
FAMILY HOUSING IMPROVEMENTS	EA	32	23,009	736.3	
CONCURRENT REPAIRS AND MAINTENANCE	EA	32	33,372	1,067.9	
	EA	32	56,381	1,804.2	
TOTAL REQUEST				1,804.2	
Area Cost Factor = 1.16					
10. DESCRIPTION OF PROPOSED CONSTRUCTION This project will provide improvements and repairs to 32 Algodones Apartments. This includes the installation of central air conditioning, the construction of carports (one per unit) and an access road between existing Algodones Apartments.					
11. REQUIREMENT: Improve the living conditions at Algodones Apartments.  CURRENT SITUATION: Currently air conditioning is provided by individual window mounted units which are inefficient. Most of these air conditioning units are highly deteriorated and beyond economical repair. These occupants do not have carports to protect their privately owned vehicles from inclement tropical weather conditions nor is there an access road to divert traffic away from the units.  IMPACT IF NOT PROVIDED: Lack of a proper air conditioning system, carports, and access roads at the Algodones Apartments exposes military personnel and their dependents to poor habitability conditions which lowers morale and results in an adverse impact on the mission of the Naval Station and the Navy Personnel Retention Program.					

DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE  
ARCHITECTURAL AND ENGINEERING SERVICES  
AND CONSTRUCTION DESIGN

(In Thousands)

FY 1991 Program \$1,500  
FY 1990 Program \$1,000

Purpose and Scope

This program provides for working drawings, specifications and estimates, project planning reports and final design drawings of family housing construction projects authorized or not yet authorized. This includes the use of architectural and engineering services in connection with any family housing new or construction improvements.

Program Summary

The amount requested, together with prior year savings, will enable full execution of the construction program. Authorization is requested for appropriation of \$1,500,000 to fund new construction and improvement program design requirements.

Exhibit FH-6

1. COMPONENT NAVY		FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL AND MARINE CORPS INSTALLATIONS, VARLOS INSIDE AND OUTSIDE UNITED STATES			4. PROJECT TITLE ARCHITECTURAL AND ENGINEERING SERVICES AND CONSTRUCTION DESIGN		
5. PROGRAM ELEMENT VARIES	6. CATEGORY CODE VARIES	7. PROJECT NUMBER VARIES	8. PROJECT COST (\$000) \$1,500		
9. COST ESTIMATES					
ITEM		U/M	QUANTITY	UNIT COST	COST (\$000)
A&E SERVICES & CONSTRUCTION DESIGN			--	--	1,500
NEW CONSTRUCTION		L/S	--	--	(1,080)
IMPROVEMENTS		L/S	--	--	( 420)
TOTAL REQUEST					1,500
10. DESCRIPTION OF PROPOSED CONSTRUCTION					
<p>Funds to be utilized under 10 USC 2807 for architectural and engineering services and construction design in connection with military family housing new construction and construction improvement projects. Evaluation of turnkey design and engineering investigations, such as field surveys and foundation explorations, will be undertaken as necessary.</p>					
11. REQUIREMENT: VARIES					
<p>All projects in a military family housing construction program presented for approval must be based on sound engineering and the best cost data available. For this reason, design is initiated to establish project estimates in advance of program submittal to the Congress. Based on this preliminary design, final plans and specifications are then prepared. Costs for architectural and engineering services, turnkey evaluation, and construction design are not included in the construction project cost estimates.</p>					
<p>IMPACT IF NOT PROVIDED: FY 1991, 1992 and FY 1993 project execution schedules cannot be met.</p>					



**SUPPORT**

**SUPPORT**

DEPARTMENT OF THE NAVY  
FAMILY HOUSING - 1991 BUDGET ESTIMATE  
OPERATION AND MAINTENANCE

(\$000)

FY 1991 Program 626,107  
FY 1990 Program 600,766

Purpose and Scope

a. Operation. This portion of the program provides for expenses in the following sub-accounts:

Management. Includes direct and indirect expenses incident to the administration of the family housing program such as housing office personnel and operations, administrative support, training, travel, programming and studies, and community liaison. All housing referral costs are also included, although the housing referral program assists personnel in locating housing in the private community, and is not related to the operation or management of military family housing units.

Services. Includes direct and indirect expenses incident to providing basic support services such as refuse collection and disposal, fire and police protection, pest control, custodial services for common areas, snow removal, and street cleaning.

Furnishings. Includes the procurement for initial issue or replacement of household equipment (primarily stoves and refrigerators) and, in limited circumstances, furniture; the control, moving and handling of furnishings inventories; and the maintenance and repair of such items.

Miscellaneous. Includes work or services performed for the benefit of family housing occupants, including mobile home hook-ups and disconnections, for which reimbursement will be received; payments to the U. S. Coast Guard for Navy occupancy of Coast Guard housing; and United Kingdom accommodation charges.

b. Utilities. Includes all utility services provided to family housing, such as electricity, gas, fuel oil, water and sewage. Excludes telephone services.

c. Maintenance. This portion of the program supports the upkeep of family housing real property, as follows:

Maintenance/Repair of Dwelling. Includes service calls, change of occupancy rehabilitation, routine maintenance, preventative maintenance, interior and exterior painting, and major repairs.

Other Real Property. Includes maintenance, repair and replacement of electrical, gas, water, sewage and other utility distribution systems located within family housing areas, and the portion of activity utility rates attributable to distribution system maintenance when separately identified. Also includes maintenance and repair of any other family housing real property, such as grounds, surfaced areas and family housing community facilities.

Alterations and Additions. Includes minor incidental improvements to dwellings or other real property performed under the authority of 10 USC 2805. Larger scope or higher dollar value items are funded in the construction program.

Program Summary

Authorization is requested for an appropriation of \$614,014,000. This amount, together with estimated reimbursements of \$12,093,000 will fund the Fiscal Year 1991 program of \$626,107,000.

A summary of the funding program for Fiscal Year 1991 follows (in thousands):

	<u>Appropriation Request</u>				<u>Reimburse-</u>	<u>Total</u>
	<u>Operations</u>	<u>Utilities</u>	<u>Maintenance</u>	<u>Total</u>	<u>ments</u>	<u>Program</u>
Navy	\$ 98,970	146,422	261,303	506,695	10,393	517,088
Marine Corps	\$ 17,908	36,673	52,738	107,319	1,700	109,019
Total DON	\$116,878	183,095	314,041	614,014	12,093	626,107

JUSTIFICATION:

The Department of Navy family housing budget requests the minimum essential resources needed to provide military families with adequate housing either through the private community or in government quarters. Navy and Marine Corps installations are generally located in the high cost, coastal areas. Accordingly, the overinflated cost of adequate housing in these areas causes many of our military families to reside in facilities that lack even the minimal amenities expected in a home. Therefore, increased emphasis is being placed on the proper funding of the family housing Operations and Maintenance program.

The Fiscal Year 1991 estimated program was formulated utilizing the Office of Management and Budget's published inflationary factors and foreign currency exchange rates.

DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE  
OPERATION AND MAINTENANCE SUMMARY  
NAVY AND MARINE CORPS

(Excludes Leased Units and Costs)

	FY 1990		FY 1991			
	<u>Estimate</u>		<u>Estimate</u>			
A. Workload Data						
1. Inventory Data						
Average Inventory for Year						
Requiring O&M Funding:						
a. Conterminous U.S.	78,663		80,528			
b. U.S. Overseas	5,981		5,981			
c. Foreign	9,730		9,743			
d. Worldwide	94,374		96,252			
<hr/>						
	FY 1989		FY 1990		FY 1991	
	<u>Estimate</u>		<u>Estimate</u>		<u>Estimate</u>	
	Total	Unit	Total	Unit	Total	Unit
	Cost	Cost	Cost	Cost	Cost	Cost
	(\$000)	(\$)	(\$000)	(\$)	(\$000)	(\$)
<hr/>						
B. Funding Requirements						
1. Operations						
a. Management	45,641	492	51,018	541	56,218	584
b. Services	33,442	360	35,709	378	37,296	387
c. Furnishings	15,710	169	18,688	198	22,546	234
d. Miscellaneous	441	5	787	8	818	8
Subtotal - Operations	95,234	1,026	106,202	1,125	116,878	1,214
2. Utilities	172,680	1,861	177,923	1,885	183,095	1,902
3. Maintenance						
a. Maint. & Repair of						
Dwellings	207,609	2,238	254,003	2,691	261,714	2,719
b. Maint. & Repair of						
Other Real Property	34,709	374	42,436	450	43,688	454
c. Alts. & Addns.	6,445	69	8,285	88	8,639	90
Subtotal - Maintenance	248,763	2,681	304,724	3,229	314,041	3,263
4. Total, O&M Expenses (TOA)	516,677	5,569	588,849	6,240	614,014	6,379
5. Appropriation	516,677	5,569	588,849	6,240	614,014	6,379
6. Reimbursements	11,563	125	11,917	126	12,093	126
7. Total Program	528,240	5,693	600,766	6,366	626,107	6,505

DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE  
GENERATION AND MAINTENANCE  
NAVY

(Excludes Leased Units and Costs)

	FY 1990		FY 1991			
	<u>Estimate</u>		<u>Estimate</u>			
A. Workload Data						
1. Inventory Data						
Average Inventory for Year Requiring O&M Funding:						
a. Conterminous U.S.	57,165		58,530			
b. U.S. Overseas	5,981		5,981			
c. Foreign	9,274		9,274			
d. Worldwide	72,420		73,785			
<hr/>						
	FY 1989		FY 1990		FY 1991	
	<u>Estimate</u>		<u>Estimate</u>		<u>Estimate</u>	
	Total	Unit	Total	Unit	Total	Unit
	Cost	Cost	Cost	Cost	Cost	Cost
	(\$000)	(\$)	(\$000)	(\$)	(\$000)	(\$)
<hr/>						
B. Funding Requirements						
1. Operations						
a. Management	37,842	531	43,106	595	48,081	652
b. Services	26,280	369	28,584	395	29,895	405
c. Furnishings	12,982	182	16,360	226	20,176	273
d. Miscellaneous	441	6	787	11	818	11
Subtotal - Operations	77,545	1,088	88,837	1,227	98,970	1,341
2. Utilities	138,304	1,941	142,345	1,966	146,422	1,984
3. Maintenance						
a. Maint. & Repair of Dwellings	164,555	2,309	209,870	2,898	216,881	2,939
b. Maint. & Repair of Other Real Property	27,754	389	35,400	489	36,583	496
c. Alts. & Addns.	5,945	83	7,585	105	7,839	106
Subtotal - Maintenance	198,254	2,782	252,855	3,492	261,303	3,541
4. Total, O&M Expenses (TOA)	414,103	5,811	484,037	6,684	506,695	6,867
5. Appropriation	414,103	5,811	484,037	6,684	506,695	6,867
6. Reimbursements	10,063	141	10,267	142	10,393	141
7. Total Program	424,166	5,953	494,304	6,826	517,088	7,008

DEPARTMENT OF THE NAVY  
FAMILY HOUSING - FY 1991 BUDGET ESTIMATE  
OPERATION AND MAINTENANCE  
MARINE CORPS

(Excludes Leased Units and Costs)

	<u>FY 1990 Estimate</u>	<u>FY 1991 Estimate</u>
<b>A. Workload Data</b>		
1. Inventory Data		
Average Inventory for Year		
Requiring O&M Funding:		
a. Conterminous U.S.	21,498	21,998
b. U.S. Overseas	0	0
c. Foreign	456	469
d. Worldwide	21,954	22,467

	<u>FY 1989 Estimate</u>		<u>FY 1990 Estimate</u>		<u>FY 1991 Estimate</u>	
	Total	Unit	Total	Unit	Total	Unit
	Cost	Cost	Cost	Cost	Cost	Cost
	(\$000)	(\$)	(\$000)	(\$)	(\$000)	(\$)
<b>B. Funding Requirements</b>						
1. Operations						
a. Management	7,799	362	7,912	360	8,137	362
b. Services	7,162	333	7,125	325	7,401	329
c. Furnishings	2,728	127	2,328	106	2,370	105
d. Miscellaneous	0	0	0	0	0	0
Subtotal - Operations	17,689	822	17,365	791	17,908	797
2. Utilities	34,376	1,597	35,578	1,621	36,673	1,632
3. Maintenance						
a. Maint. & Repair of Dwellings	43,054	2,000	44,133	2,010	44,833	1,996
b. Maint. & Repair of Other Real Property	6,955	323	7,036	327	7,105	323
c. Alts. & Addns.	500	23	700	32	800	36
Subtotal - Maintenance	50,509	2,347	51,869	2,363	52,738	2,347
4. Total, O&M Expenses (TOA)	102,574	4,766	104,812	4,774	107,319	4,777
5. Appropriation	102,574	4,766	104,812	4,774	107,319	4,777
6. Reimbursements	1,500	70	1,650	75	1,700	76
7. Total Program	104,074	4,835	106,462	4,849	109,019	4,853

DEPARTMENT OF THE NAVY  
FAMILY HOUSING - 1991 BUDGET ESTIMATE  
JUSTIFICATION  
NAVY

OPERATING EXPENSES

<u>FY 1990</u>	<u>FY 1991</u>
<u>\$88,817,000</u>	<u>\$98,970,000</u>

The FY 1991 estimated program represents the Navy Family Housing requirements using Office of Management and Budget inflation factors and foreign currency exchange rates. Reconciliation of estimates is provided for each program element as follows:

MANAGEMENT

<u>FY 1990</u>	<u>FY 1991</u>
<u>\$43,106,000</u>	<u>\$48,081,000</u>

Requirements and adjustments as follows:

	(\$M)
FY 1989 Estimate	37.8
Civilian personnel compensation	.9
Price increases	1.0
ADP procurement	.2
Implementation of Relocation	
Assistance program	2.1
New Housing Office	.1
Enhancement of Housing	
Referral Service	.6
Foreign Currency Repricing	.4
FY 1990 Estimate	43.1
Civilian personnel compensation	.9
Price increase	.4
Continued implementation of the Relocation	
Assistance Program	3.0
Foreign Currency Repricing	.7
FY 1991 Estimate	48.1

RATIONALE FOR CHANGES IN THE MANAGEMENT ACCOUNT. Funding adjustments are proposed in the Family Housing Management Account for pay supplemental increases, continued implementation of the Navy sponsored program to provide relocation assistance to military families, and management of programs to acquire additional housing assets.

SERVICES

FY 1990  
\$28,584,000

FY 1991  
\$29,895,000

Requirements and adjustments are as follows:

	(\$M)
FY 1989 Estimate	26.3
Annualized Foreign National	
Indirect hire pay increase	.1
New units on line	.5
Indirect support for fire and police	.9
Price increases	.8
FY 1990 Estimate	28.6
Price increases	.8
Indirect support for fire and police	.5
FY 1991 Estimate	29.9

RATIONALE FOR CHANGES IN THE SERVICES ACCOUNT. The services account proposes an increase using approved inflationary factors. Program increases are costs associated with providing fire and police protection, pest control, street cleaning, snow removal and refuse collection.

FURNISHINGS

FY 1990  
\$16,360,000

FY 1991  
\$20,176,000

Requirements and adjustments are as follows:

	(\$M)
FY 1989 Estimate	13.0
Civilian personnel compensation	.1
Price increase	.6
Equipment for 538 Units provided by GOJ	.9
Expanded overseas loaner problem	.4
Reduce backlog of over-aged equipment	1.4
FY 1990 Estimate	16.4
Price increases	.5
Expanded overseas loaner	3.9
furnishings program	
Purchase of Equipment for 177 GOJ units	.3
Program decrease for GOJ 538 units	(.9)
FY 1991 Estimate	20.2



RATIONALE FOR CHANGES IN THE FURNISHINGS ACCOUNT. The proposed FY 1991 Furnishings Account Program increases include costs associated with the expanded overseas loaner furniture program which is designed to upgrade the overseas furnishings program, and will allow Navy families residing overseas the basic amenities found in U.S. homes and which are already provided by the Army and Air Force. The Navy relies primarily on the local community for housing Navy families. Local community homes outside the U.S. generally lack adequate stoves, refrigerators, kitchen cabinets, closets, and heating systems. This program will allow for the procurement of stoves, refrigerators, and portable heaters wired for foreign electrical standards, as well as portable wardrobes and cabinets. These items will be made available to Navy families for the duration of their tour, thus increasing the livability of off base units and eliminating the cost of procuring these items to the military member. In addition, the expanded furnishings program will allow for replacement of furniture loaned to families arriving in overseas locations while their household goods are in transit (normal shipping time ranges from 3-6 months.) Much of the furniture the Navy owns was purchased or acquired as war surplus during the early 1940's and has exceeded its useful life. The Army and Air Force have replaced most of their loaner furniture that was in a similar condition.

MISCELLANEOUS

<u>FY 1990</u>	<u>FY 1991</u>
\$787,000	\$818,000

Requirements and adjustments are as follows:

	<u>(\$M)</u>
FY 1989 Estimate	.4
U.K. accommodations charge for 102 family housing units received from RAF At Hendon, England	.1
Land lease charge, Harold E. Holt	.1
Reimbursement for 95 Coast Guard units at Otis AFB	.2
FY 1990 Estimate	.8
FY 1991 Estimate	.8

RATIONALE FOR CHANGES IN THE MISCELLANEOUS ACCOUNT. No program or price changes required in FY 1991.

### UTILITIES

Requirements and adjustments are as follows:

	<u>FY 1990</u>	<u>FY 1991</u>
	<u>\$142,345,000</u>	<u>\$146,422,000</u>
		((\$M))
FY 1989 Estimate		138.3
New units coming on line		2.0
Price increases		2.0
FY 1990 Estimate		142.3
Price increase		1.9
Utilities for new units coming on line		2.2
FY 1991 Estimate		146.4

RATIONALE FOR CHANGES IN THE UTILITIES ACCOUNT. The utilities account proposes an increase for industrial rate adjustments and price increases. Program increases are for costs associated with providing electricity, heat, water, and sewage for newly acquired or constructed units. The Navy Family Housing Program continues to stress energy conservation through public information campaigns and execution of cost effective energy conservation improvement projects.

### MAINTENANCE EXPENSES

	<u>FY 1990</u>	<u>FY 1991</u>
	<u>\$252,855,000</u>	<u>\$261,303,000</u>
		((\$M))
FY 1989 Estimate		198.3
Reduce the backlog of maintenance and repair		47.6
Radon abatement repairs		2.8
Foreign currency PDM repricing		4.2
FY 1990 Estimate		252.9
Foreign currency repricing		5.0
Price increases		1.2
Reduce the backlog of maintenance and repair		2.2
FY 1991 Estimate		261.3

RATIONALE FOR CHANGES IN THE MAINTENANCE ACCOUNT. Program increases in FY 1991 are for costs associated with reducing the backlog of deferred maintenance in over 72,000 Family Housing units. Repair funds have been grossly underfunded since FY 1984 and in spite of that, repair projects scheduled for execution have been deferred to offset the reductions taken in the operations and utilities accounts. Deterioration of family housing assets

has continued unabated. Mandatory maintenance such as roof repairs, replacement of worn out HVAC systems and electrical and plumbing lines, can no longer be deferred. Additional increases are for maintaining the present level of occupant service calls, change of occupancy rehabilitation, routine maintenance, painting, and for expanded preventive maintenance programs. We are continuing the repair phase of mitigating high concentrations of RADON gas detected in family housing units.

REIMBURSABLE AUTHORITY

	<u>FY 1990</u>	<u>FY 1991</u>
	<u>\$10,267,000</u>	<u>\$10,393,000</u>
		<u>(\$M)</u>
FY 1989 Estimate		10.1
Price increase		.2
FY 1990 Estimate		10.3
Price increase		.1
FY 1991 Estimate		10.4

RATIONALE FOR CHANGES IN THE REIMBURSABLE ACCOUNT. The reimbursable account proposes a small price increase due to inflation.

**MARINE CORPS  
JUSTIFICATION**

**OPERATING EXPENSES**

<u>FY 1990</u>	<u>FY 1991</u>
17,365,000	17,908,000

The FY 1991 estimated program represents the Marine Corps family housing requirements using Office of Management and Budget inflation factors and foreign currency exchange rates.

A reconciliation of estimates is provided for each program element as follows:

**MANAGEMENT**

<u>FY 1990</u>	<u>FY 1991</u>
7,912,000	8,137,000

Requirements and adjustments are as follows:

	<u>(\$M)</u>
FY 1989 Estimate	7.8
Increased staffing for new units on line	.1
FY 1990 Estimate	7.9
Program increase for new units on line	.1
Civilian pay compensation	.1
FY 1991 Estimate	8.1

The Management account provides for direct and indirect expenses in managing the family housing program such as personnel payroll, pay increases, administrative support, housing referral, community liaison, and training and travel associated with the Real Property Maintenance/Family Housing System (RPM/FHS) computer initiative.

### SERVICES

FY 1990  
7,125,000

FY 1991  
7,401,000

Requirements and adjustments are as follows:

	(\$M)
FY 1989 Estimate	7.2
Projected audit cost savings	(.4)
Civilian personnel compensation	.3
FY 1990 Estimate	7.1
Civilian personnel compensation	.2
Price increase for indirect support costs for new units on line	.1
FY 1991 Estimate	7.4

The amount budgeted will allow for the provision of services to all family housing units to include newly acquired units and any expected price increases.

### FURNISHINGS

FY 1990  
2,328,000

FY 1991  
2,370,000

Requirements and adjustments are as follows:

	(\$M)
FY 1989 Estimate	2.7
Foreign currency repricing	.2
Program decrease in procurement of replacement furnishings	(.2)
Projected audit cost savings	(.4)
FY 1990 Estimate	2.3
New units on line	.1
FY 1991 Estimate	2.4

The Furnishings account request reflects a program increase based on the acquisition of new units and for replacement of furniture and movable equipment (stoves, refrigerators, etc.). The funds requested will enable a consistent program level of maintenance and replacement of the existing inventory.

UTILITIES

FY 1990  
35,578,000

FY 1991  
36,673,000

Requirements and adjustments are as follows:

	<u>(\$M)</u>
FY 1989 Estimate	34.4
Foreign currency repricing	.2
Program increase for new units on line	.7
Price increases	.3
 FY 1990 Estimate	 35.6
New units on line	.8
Price Increases	.1
Currency Repricing	.2
 FY 1991 Estimate	 36.7

Family housing utilities are priced by known rates or, in accordance with OSD/OMB pricing guidance. Energy conservation is stressed. Program increases are for costs associated with providing electricity, heat, water, and sewage for newly acquired or constructed units. The level of funding requested will provide the support required to include the increase of units to the existing inventory.

# MAINTENANCE EXPENSES

FY 1990  
51,869,000

FY 1991  
52,738,000

Requirements and adjustments are as follows:

	(\$M)
FY 1989 Estimate	50.5
Civilian personnel compensation	.2
program increase for reduction of maintenance	
repair and escalating backlog	.6
Foreign currency repricing	.6
FY 1990 Estimate	51.9
Foreign currency repricing	.9
Projected audit cost savings	(.1)
FY 1991 Estimate	52.7

The Maintenance account provides for recurring maintenance consisting of service calls for emergency and temporary repairs, routine and preventive maintenance, change of occupancy maintenance, interior and exterior painting, maintenance of exterior utilities, and maintenance of other real property, such as grounds, roads, and community buildings. The account also provides for major repairs that will restore the facility to such condition that it may be effectively used for its designated purpose. This includes the replacement of parts or materials which have deteriorated and have not been corrected through maintenance. The request includes Phase III of a major rehabilitation project at one activity.

The FY 1991 requirements have been developed using historical data for recurring maintenance and for major repair projects identified for the FY 1990 program. The projected deferred maintenance will remain at a high level after the proposed FY 1990 funding has been executed. The deferred maintenance level will continue to increase if the major repair program is not increased. If this trend continues, progress made in the past years to improve the quality of life for our military families will be negated.

REIMBURSEMENTS

FY 1990  
1,650,000

FY 1991  
1,700,000

Requirements and adjustments are as follows:

	<u>(\$M)</u>
FY 1989 Estimate	1.5
Increased collections for mobile home units	.2
FY 1990 Estimate	1.7
 FY 1991 Estimate	 1.7

The FY 1991 estimate reflects a level program.



1. COMPONENT	FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA		2. DATE
NAVY			
3. INSTALLATION AND LOCATION			
VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
GENERAL AND FLAG OFFICERS QUARTERS			
<p style="text-align: center;">DEPARTMENT OF THE NAVY FY 1991 BUDGET GENERAL/FLAG OFFICERS QUARTERS (GFOQ'S) WHERE ANTICIPATED MAINTENANCE AND REPAIR WILL EXCEED \$25,000 PER UNIT</p> <p>This information is provided in accordance with the reporting requirement established by the Conference Appropriations Committee Report dated 21 December 1987. The information provides the details for those GFOQ's where the maintenance and repair obligations in FY 1991 are expected to exceed \$25,000 per unit. Operations include the prorated costs for management of family housing, services such as fire and police protection, refuse collection, entomology and snow removal, and furnishings. Utilities include applicable costs for energy (electricity, gas, fuel oil, steam, and geothermal), water and sewerage. Annual lease costs are separately identified. Maintenance and repairs include recurring work such as service calls, preventative maintenance, and routine change of occupancy work, and major repairs. This includes all operation and maintenance costs to the dwelling unit, appurtenant structures and other related area and facilities intended for the use of the general or flag officer.</p>			

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The antiquated steam heat system will be replaced with a gas fired heating system including boiler, pumps, piping, wiring and controls.</td> </tr> <tr> <td>PWC San Diego</td> <td>A, NSC</td> <td>2,400</td> <td>5,200</td> <td>117,500</td> <td>125,100</td> <td>0</td> </tr> <tr> <td colspan="7">Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, change of occupancy work, and major repair. Work will provide a new service drop, distribution panel, new circuitry, receptacles, fixtures, and increased amperage. In addition, the project calls for the replacement of deteriorated domestic water and waste piping and fixtures. Field investigation found the wires behind one of the outlet cover plates to be burned. The cause of the power loss was isolated to a segment of underfloor wiring where the insulation had burned and the conductors had fused. Repairs were made to correct the immediate safety hazard; however, visual inspection showed numerous additions and modifications had been made to the house wiring over the years. Insulation on the older wiring shows signs of advanced deterioration. This, in conjunction with inadequate overload protection, poses a significant fire risk.</td> </tr> <tr> <td>PWC San Francisco</td> <td>1 Whiting Way</td> <td>2,500</td> <td>4,100</td> <td>29,000</td> <td>35,600</td> <td>0</td> </tr> <tr> <td colspan="7">Operations consist of management, services, and furnishings (carpet cleaning). Maintenance and repairs include routine maintenance. Budget includes, within the M&amp;R dwelling category, \$23,000 for repair of the quarters and surface preparation and complete exterior painting which was last accomplished in 1983. Work will consist of removal of many layers of paint that have accumulated over the years, by sandblasting all surfaces down to the bare wood. 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<u>INSIDE THE UNITED STATES</u>						
PWC San Francisco	2 Whiting Way	1,500	4,200	28,000	33,700	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, maintenance for surface preparation and complete exterior painting of the quarters which were last painted in 1984. Work will consist of removal of many layers of paint that have accumulated over the years, by sandblasting all surfaces down to the bare wood. All sandblasted surfaces will receive sanding, a primer coat, and two finish coats of exterior paint at a cost of \$23,800. Any deteriorated wood or missing caulking that is identified after sandblasting will be repaired prior to painting.						
<u>DISTRICT OF COLUMBIA</u>						
NAVDISTWASH	R, WNY	13,000	5,000	185,000	203,000	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and major rehab. project. The completion of the work proposed within the rehabilitation scope will eliminate existing deterioration of the structures and their finishes, will update obsolete and inefficient mechanical systems and restore electrical systems to meet current safety regulations. Completion of the work will reduce the Government's operation and maintenance cost. The Navy's objective is to retain the quarters in the inventory for at least another 25 years.						
NAVDISTWASH	D, WNY	10,700	4,200	241,700	256,600	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and major rehab. project. The completion of the work proposed within the rehabilitation scope will eliminate existing deterioration of the structures and their finishes, will update obsolete and inefficient mechanical systems and restore electrical systems to meet current safety regulations. Completion of the work will reduce the Government's operation and maintenance cost. The Navy's objective is to retain the quarters in the inventory for at least another 25 years.						

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<u>INSIDE THE UNITED STATES</u>						
NAVDISTWASH	E, WNY	8,500	5,200	243,500	257,200	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and major rehab. project. The completion of the work proposed within the rehabilitation scope will eliminate existing deterioration of the structures and their finishes, will update obsolete and inefficient mechanical systems and restore electrical systems to meet current safety regulations. Completion of the work will reduce the Government's operation and maintenance cost. The Navy's objective is to retain the quarters in the inventory for at least another 25 years.						
NAVDISTWASH	N, WNY	6,600	3,200	198,000	207,800	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and major rehab. project. The completion of the work proposed within the rehabilitation scope will eliminate existing deterioration of the structures and their finishes, will update obsolete and inefficient mechanical systems and restore electrical systems to meet current safety regulations. Completion of the work will reduce the Government's operation and maintenance cost. The Navy's objective is to retain the quarters in the inventory for at least another 25 years.						
NAVDISTWASH	V, WNY	5,600	5,800	257,600	269,000	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance and major rehab. project. The completion of the work proposed within the rehabilitation scope will eliminate existing deterioration of the structures and their finishes and will update obsolete and inefficient mechanical and electrical systems. Completion of the work will reduce the Government's operation and maintenance cost. The Navy's objective is to retain the quarters in the inventory for at least another 25 years.						

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STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	TOTAL	IMPROVS
<u>INSIDE THE UNITED STATES</u>						
<u>FLORIDA</u>						
NAVSTA Mayport	547 Osbourn Avenue	1,300	2,200	15,500	19,000	8,800
Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance. Budget includes funds for accomplishment of improvement project HC-4-79. This project encompasses all work required to construct concrete pad and install aluminum screened patio.						
<u>LOUISIANA</u>						
NAVSUPPACT New Orleans	A 101 Carmick	1,700	8,500	45,500	53,700	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, maintenance for surface preparation and complete exterior painting of the quarters which were last painted in 1984. Work will consist of removal of many layers of paint that have accumulated over the years, by sandblasting all surfaces down to the bare wood. All sandblasting surfaces will receive sanding, a primer coat, and two finish coats of exterior paint at a cost of \$40,000. Any deteriorated wood or missing caulking that is identified after sandblasting will be repaired prior to painting.						
NAVSUPPACT New Orleans	C 104 Constitution	1,700	4,800	39,400	45,900	0
Operations consist of management, services, and furnishings. Maintenance and repairs include routine maintenance, maintenance for surface preparation and complete exterior painting of the quarters which were last painted in 1979. Work will consist of removal of many layers of paint that have accumulated over the years, by sandblasting all surfaces down to the bare						

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STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	TOTAL	IMPROVS
<u>OUTSIDE THE UNITED STATES</u>						
<u>JAPAN</u>						
PWC Yokosuka	17 Halsey	1,600	8,800	40,600	51,000	0
Operations consist of management, services and furnishings. Maintenance and repairs will encompass repairs to the master bath and two second floor guest baths, flag quarters for Commander U. S. Naval Forces Japan. Shower stalls, bathtubs, water closets, and lavatories are unsightly due to age. Mineral deposits have caused stains which cannot be cleaned. Medicine cabinets are rusted and the finishes on mirrors are deteriorated. Plumbing is deteriorated, calcified, and a maintenance problem. Light fixtures are unsuitable and dim. Electrical wiring is inadequate to meet current needs.						
PWC Yokosuka	18 Halsey	1,600	12,300	47,400	61,300	0
Operations consist of management, services, and furnishings. Maintenance and repairs will provide for the replacement of the steam heating system and water lines throughout the quarters. Heating system is almost 40 years old, inefficient, and in need of replacement due to deterioration. Repairs necessitated by numerous trouble calls have only served as temporary stop-gap measures. Water lines are calcified, causing low water pressure and discolored water that is both distasteful and a problem for acceptable laundry results.						
<u>MARIANAS</u>						
PWC Guam	4 Flag Circle	7,800	7,100	43,800	58,700	0
Operations consist of management, services and furnishings. Maintenance and repairs will provide for roof replacement. Work will provide for the replacement of the asphalt shingles and felt, approximately 50% of the plywood roof sheathing and fascia. Work includes painting, clean-up and debris disposal. Quarters No. 4 is a 43-year old, one-story building of conventional wood construction. The existing roofing system is deteriorated due to age and exposure to the adverse environment. The roof shingles are splitting and have dry rot beyond economical repairs. Rain water leaks through the roofing system causing substantial damage to the existing plywood roof deck.						



1. COMPONENT		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA				2. DATE	
NAVY							
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4. PROJECT TITLE						5. PROJECT NUMBER	
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STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	TOTAL	IMPROVS	
<u>OUTSIDE THE UNITED STATES</u>							
<u>UNITED KINGDOM</u>							
COMNAVACT	Romany House	6,500	10,000	155,400	171,900	0	
<p>Operations consist of management, services and furnishings. Maintenance and repairs will provide for accomplishment of a major repair project. Work will repair and replace bathroom basins, vanities, etc.; reseal &amp; replace floor tiles; repair floorboards; repair ceiling and wall cracks and plaster throughout; repair windows and wood frames; provide miscellaneous repairs to doors, cabinets, locks, etc; repair the heating and hot water system which is 25 years old; make electrical repairs throughout; repair gutters &amp; fences</p>							

1. COMPONENT USMC		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA				2. DATE	
3. INSTALLATION AND LOCATION VARIOUS LOCATIONS INSIDE AND OUTSIDE THE UNITED STATES							
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STATE/ INSTALLATION	QTRS ID	OPS	UTIL	MAINT & RPR	TOTAL	IMPROVS	
<u>INSIDE THE UNITED STATES</u>							
<u>CALIFORNIA</u>							
MCLB BARSTOW	1	2,900	4,000	48,500	55,400	0	
Operations consist of management, services, and furnishings. Maintenance and repair includes routine recurring maintenance, replacement of patio roof and fencing.							
<u>VIRGINIA</u>							
MCCDC QUANTICO	12	1,000	3,606	65,255	69,861	0	
Operations consist of management, services, and furnishings. Maintenance and repair includes routine recurring maintenance, and mechanical and electrical repairs to include: repair/replacement of plumbing, repair/replacement and upgrade of the electrical system, repair/replacement of the heating insulation, replacement of windows, refinish wood floors and exterior painting and caulking.							

1. COMPONENT NAVY		2. DATE	
FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS IN AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER \$15,000 PER UNIT		5. PROJECT NUMBER VARIOUS	
INSTALLATION/LOCATION/PROJECT DESCRIPTION		CURRENT WORKING ESTIMATE	
		UNIT COST (\$)	TOTAL (\$000)
<u>IN THE UNITED STATES</u>			
<u>ALASKA</u>			
NAS Adak		51,301	4,206.7
Repairs to 82 units to include: Replace kitchen countertops, sinks disposals, range hoods, flooring, bathroom exhaust fans, and switches, all interior doors and hardware, garage doors, window vent screens, siding, soffits, and electrical switches. Repair bathroom fixtures, accessories, minor tub and shower leaks, and repair/refinish kitchen cabinets. Concurrent improvements are proposed at a cost of \$2,899,300 which include blown insulation into the attic spaces, partitioning of the garage and laundry areas to obtain a more secure storage area, installation of a fire life safety window in each master bedroom, bathroom vanities, tub enclosures, exhaust fans, ground fault interrupter receptacles, new medicine cabinets, energy efficient lighting, weatherstripping on exterior doors and setback thermostats. Includes installation of weather alcoves, gutters and downspouts, additional off-street parking and construction of dumpster pads.			
<u>CALIFORNIA</u>			
NAVSTA Long Beach		29,415	3,265.1
Repairs to 111 units to include: Replace garage doors, sliding glass, ground fault interrupter receptacles, exterior lights, hose bibs, vinyl tile, water service valve, interior doors, ceiling insulation, kitchen cabinets, stoves, range hoods, sinks, plumbing fixtures, shut off valves, shower curtain rods, cold water line insulation, smoke detectors, interior lights, water closets, faucets, angle stops, valves, medicine cabinets, mirrors, and lights. Repair stucco, bath shower fan, and exterior trim. Paint interior and exterior of units. Concurrent			

1. COMPONENT NAVY		2. DATE	
FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA			
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INSTALLATION/LOCATION/PROJECT DESCRIPTION		CURRENT WORKING ESTIMATE	
		UNIT COST (\$)	TOTAL (\$000)
<u>IN THE UNITED STATES</u>			
NAVSTA Long Beach (Continued) Improvements are proposed at a cost of \$1,029,800 which include screen doors, dishwashers, cabinets in utility rooms, hot water heaters, bathroom vanities and exhaust fans. Includes gutters and downspouts, splash blocks, water diverters, patio covers, and a concrete walkway between utility rooms, garages and backyards.			
NAVPGSCOL Monterey Repairs to 13 units to include: Replace 65 year old steam heating system; remove asbestos pipe insulation, pipes, and heating tank insulation; encapsulate asbestos containing soil in crawl spaces with one and one-half inch of concrete.		46,124	599.4
PWC San Diego Repairs to one installation commander quarters: Replace windows, domestic water piping and plumbing fixtures throughout quarters; renovate water heater/circulation pump and storage tanks, install kitchen/pantry cabinets and countertops, fluorescent light fixtures, and ground fault interrupter receptacles; replace electrical system and roof; interior and exterior painting; and routine maintenance to include service calls and preventive maintenance.		89,500	89.5
PWC San Diego Repairs to 32 units to include: Replace flooring and hardware for kitchen cabinets; rehabilitate electric system; refinish kitchen cabinets. Concurrent improvements are proposed at a cost of \$248,500 which include exhaust fans, additional electrical outlets in kitchens and bathrooms, energy efficient interior light fixtures, and ductwork insulation.		25,666	821.3

1. COMPONENT		2. DATE	
NAVY		FY 1991 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
NAVAL INSTALLATIONS, VARIOUS LOCATIONS IN AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
FAMILY HOUSING MAINTENANCE/REPAIR OVER \$15,000 PER UNIT		VARIOUS	
INSTALLATION/LOCATION/PROJECT DESCRIPTION		CURRENT WORKING ESTIMATE	
		UNIT COST	TOTAL
		(\$)	(\$000)
<u>IN THE UNITED STATES</u>			
PWC San Francisco		26,800	26.8
Repairs to one installation commander quarters: Includes surface preparation and complete exterior painting of the quarters.			
PWC San Francisco		24,000	24.0
Repairs to one installation commander quarters: Maintenance and repair work which is scheduled during change of occupancy, exterior painting, refinishing hardwood floors, minor structural repairs, interior painting, and miscellaneous routine change of occupancy maintenance.			
<u>CONNECTICUT</u>			
NSB New London		25,928	3,889.2
Repairs to 150 units to include: Replace sanitary sewer laterals to 21 of the 57 buildings; replace asphalt paving, granite curbs, catch basins to new grade, concrete steps, carports and storage sheds, mailboxes, site signs, playground equipment; regrade and stabilize steeply graded areas; replace foundation coping, siding and trim, garage ceilings, windows and sliding glass doors, roofing, drywall, exterior doors, closet shelves, vinyl base, closet doors, kitchen cabinets and counters, furnace, heat registers, metal chimneys, oil tanks, tubs, lavatories and water closets, electrical wall receptacles; and weather proof electrical panels. Concurrent improvements at a cost of \$397,800 which include fire rated walls in place of existing furnace room doors and new exterior doors to replace interior doors, wired smoke detectors, bathroom exhaust/light fixtures, ducted range hoods, dishwashers, ground fault interrupter receptacles, energy efficient light fixtures in kitchens, bathrooms and basements and an expanded parking area.			

1. COMPONENT		2. DATE	
NAVY		FY 1991 MILITARY CONSTRUCTION PROJECT DATA	
3. INSTALLATION AND LOCATION			
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4. PROJECT TITLE		5. PROJECT NUMBER	
FAMILY HOUSING MAINTENANCE/REPAIR OVER \$15,000 PER UNIT		VARIOUS	
INSTALLATION/LOCATION/PROJECT DESCRIPTION		CURRENT WORKING ESTIMATE	
		UNIT COST	TOTAL
		(\$)	(\$000)
<u>IN THE UNITED STATES</u>			
<u>ILLINOIS</u>			
PWC Great Lakes		20,338	3,620.1
Repairs to 178 units to include: Replace weatherstripping on all exterior doors, windows, storm doors, roofing, soffits, roof vents; add attic insulation over bedroom and bathroom ceilings; replace ductwork, piping, closet doors and, patch ceramic tile. Repair tot lot. Concurrent improvements are proposed at a cost of \$5,624,500 which include finished basements, central air conditioning, garages, wired smoke detectors, suspended ceilings in all units except single family units, relocation of electrical outlets in kitchens and dining rooms, ceiling light fixtures in bedrooms, ground fault interrupter receptacles, patios, storage sheds, privacy fencing and additional shrubbery.			
<u>MARYLAND</u>			
F F Farmont		34,310	720.5
Repairs to 21 units to include: Replace kitchen and bathroom floors, bathroom tubs, water closets, sink vanities and wall tile, exterior doors, hardware and frames, windows, kitchen cabinets, furnaces, electrical system, and street repairs. Concurrent improvements are proposed at a cost of \$182,400 which include ductwork insulation, central air conditioning, smoke detectors, improved electrical distribution system, kitchen reconfiguration to include installation of new dishwashers and added cabinet space.			

1. COMPONENT NAVY	FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS IN AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER \$15,000 PER UNIT		5. PROJECT NUMBER VARIOUS	
INSTALLATION/LOCATION/PROJECT DESCRIPTION		CURRENT WORKING ESTIMATE	
		UNIT COST (\$)	TOTAL (\$000)
<u>IN THE UNITED STATES</u>			
<u>MASSACHUSETTS</u>			
DOD Housing Westover (Managed by NAVSURASE New London, Conn.) Repairs to 124 units to include: Replace gutters, fascia board behind gutter, repair other fascia boards; replace exterior siding, windows, exterior doors, replace basement stair hand rails; paint interiors; replace partition between dining area and hallway, furnace combustion air intake and dampers, electrical panelboards, boiler control circuit transformers; resurface driveways, and replace front entrance sidewalk. Concurrent improvements are proposed at a cost of \$538,700 which include additional security lighting at front and rear entrances, wooden privacy screen between units, enclosures for refuse containers, skylight covering, extension of entrance landings, column supports at rear entrance canopies, gutters and downspouts at rear entrances, transparent cover for basement window wells, insulation in basement ceilings and additional kitchen cabinets in 80 units. Includes bathroom exhaust fans and light fixtures, interior light fixtures at top of stairwells, and ground fault interrupter receptacles.		24,194	3,000.0
NAS South Weymouth Repairs to one installation commander quarters: Repair by replacement of boiler and thermostat, roof and metal flashing, and front steps; waterproof basement walls; provide additional electrical outlets in kitchen.		26,900	26.9
<u>NEVADA</u>			
NAS Fallon Repairs to one installation commander quarters: Replace gas forced air-furnace system, electric		102,600	102.6

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<u>INSTALLATION/LOCATION/PROJECT DESCRIPTION</u>		<u>CURRENT WORKING ESTIMATE</u>	
		<u>UNIT COST</u> ( <u>\$</u> )	<u>TOTAL</u> ( <u>\$000</u> )
<u>IN THE UNITED STATES</u>			
<p>NAS Fallon (Continued)</p> <p>water heater, single pane wood frame windows, lawn sprinkler system, sewage system, and relocation of existing leach field. Concurrent improvements are proposed at a cost of \$33,600 which include conversion of sunroom into a bathroom. Construct utility/laundry room in vacant area between family room and bathroom. Convert present utility room into a storage room. Provide for additional kitchen cabinets and electrical outlets.</p>			
<u>PENNSYLVANIA</u>			
NADC Warminster		21,500	86.0
<p>Repairs to four units to include: Replace kitchen cabinets and countertops, flooring in dining room and hallways, exterior doors, door frames, and hardware, bathroom sinks, and vanities, electrical switches, electrical panel box, light fixtures, garage door frames, and roof drip edge; increase attic insulation; repair interior wallboard finishes, foundation finishes; restore proper terrain slope at perimeter of units. Concurrent improvements are proposed at a cost of \$35,900 which include wooden hand rails and safety treads on interior stairs, wrought iron railing on exterior stairs, bathroom vanities and exhaust fans, ductwork insulation, ground fault interrupter receptacles, additional receptacles, vinyl window shutters, entrance canopies, and garbage can enclosures.</p>			
<u>RHODE ISLAND</u>			
NETC Newport		27,924	3,015.8
<p>Repairs to 108 units to include: Replace closet doors with sliding doors, interior doors, bath and lavatory accessories; refinish wood floors;</p>			



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4. PROJECT TITLE		5. PROJECT NUMBER	
FAMILY HOUSING MAINTENANCE/REPAIR OVER \$15,000 PER UNIT		VARIOUS	
INSTALLATION/LOCATION/PROJECT DESCRIPTION		CURRENT WORKING ESTIMATE	
		UNIT COST	TOTAL
		(\$)	(\$000)
<u>IN THE UNITED STATES</u>			
NETC Newport (Continued)			
replace windows, storage shed roofing and clapboard siding with vinyl siding; add insulation, and paint building interiors and exteriors; replace sub-floor, kitchen cabinets sinks and countertops; refinish stairs and landings; repair stairs, landing frames, gypsum board; replace bath sub-flooring and ceramic tile, replace and rewire garbage disposals, replace and/or refinish bath tubs; replace hose bibs with freeze proof type, shower/tub controls, interior and exterior receptacles; replace light fixture and control switch in kitchen, bedroom, laundry and closet areas, exhaust fan switch; replace bath receptacles, circuits, and smoke detectors. Phase two of three phases.			
NETC Newport		25,413	2,592.1
Repairs to 102 units to include: Replace exhaust fan with range hood, vent sink traps, utility room doors, windows, gutters and downspouts, asphalt roof shingles, mailboxes, sliding doors, baseboard radiation, service entrance door in eight units, asbestos access panels in eight units, and overlay roads and driveways. Repair manholes, sewers (mains and laterals), storm catch basins, and replace shrubbery. Concurrent improvements are proposed at a cost of \$1,484,900 which include dishwashers, garbage disposals, bathroom exhaust fans, concrete patios, privacy fencing, additional electrical receptacles, conversion of carports to garages, and additional shrubbery.			

1. COMPONENT NAVY		2. DATE	
91 FY 19 <u>91</u> MILITARY CONSTRUCTION PROJECT DATA			
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS IN AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
FAMILY HOUSING MAINTENANCE/REPAIR OVER \$15,000 PER UNIT		VARIOUS	
INSTALLATION/LOCATION/PROJECT DESCRIPTION		CURRENT WORKING ESTIMATE UNIT COST      TOTAL (\$)              (\$000)	
<u>IN THE UNITED STATES</u>			
VIRGINIA			
NAVHOSP Portsmouth		85,200	85.2
Repairs to one installation commander quarters: Replace deteriorated porch flooring, metal porch roof, gutters, downspouts, roof skylight, porch columns (four), porch column bases (three), and the repair of rotting wood porch panelling and wood trim; refinish interior and exterior woodwork and doors; repair exterior stucco; mechanical and electrical repairs include provision of ducted heat pump system and refinishing of interior plaster; replace rotting wood trim over porch columns; repairs to bathroom and electrical system including heat-pump air conditioning replacing current window air conditioning units. Concurrent improvements are proposed at a cost of \$1,700 which include vanities, bathroom exhaust fans, electrical smoke detectors, additional receptacles, fluorescent lighting, and improved electrical system.			
PWC Norfolk		34,750	69.5
Repairs to two units to include: Replace vinyl siding; paint doors and windows; reinstall storm windows, install vinyl siding on one garage.			
NWS Yorktown		30,500	30.5
Repairs to one installation commander quarters: Replace electrical wiring including service entrance cable and electrical panel; complete interior painting; also included is routine maintenance, repair work, and preventive maintenance.			

1. COMPONENT NAVY		FY 18 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS IN AND OUTSIDE THE UNITED STATES					
4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER \$15,000 PER UNIT				5. PROJECT NUMBER VARIOUS	
INSTALLATION/LOCATION/PROJECT DESCRIPTION				CURRENT WORKING ESTIMATE	
				UNIT COST (\$)	TOTAL (\$000)
<u>IN THE UNITED STATES</u>					
<u>WASHINGTON</u>					
NAVSUBASE Bangor				42,966	4,296.6
Repairs to 100 units to include: Replace kitchen cabinets, floor, and range hood, bathroom sink tub medicine cabinets and floor, livingroom, hall and utility room floors; repair exterior siding, privacy fencing, storage closets, and trash storage areas; repave roads; repair sidewalks; replace parking bumpers; relocate catch basins; reroof units; and paint interior and exteriors. Concurrent improvements at a cost of \$1,762,000 are proposed which include installation of new cabinets, dishwashers, countertops, stainless steel wall guards behind stoves, garbage disposals, new windows, combination storm/screen doors and improved kitchen and bathroom lighting. Includes improvements to carports, sidewalks, steps, guardrails, carport grading, exterior lighting, access roads and retaining walls.					

1. COMPONENT		2. DATE	
NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA	
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NAVAL INSTALLATIONS, VARIOUS LOCATIONS IN AND OUTSIDE THE UNITED STATES			
4. PROJECT TITLE		5. PROJECT NUMBER	
FAMILY HOUSING MAINTENANCE/REPAIR OVER \$15,000 PER UNIT		VARIOUS	
INSTALLATION/LOCATION/PROJECT DESCRIPTION		CURRENT WORKING ESTIMATE	
		UNIT COST	TOTAL
		(\$)	(\$000)
<u>OUTSIDE THE UNITED STATES</u>			
<u>MARIANAS</u>			
PWC Guam		18,585	985.0
Repairs to 53 units to include: Replace hot and cold water lines, electrical distribution lines, lighting fixtures, bathtub, bathroom vanity base, lavatory, and kitchen cabinets. Concurrent improvements are proposed at a cost of \$3,011,400 which include gutters with downspouts, dishwashers, range hoods, garbage disposals, kitchen cabinets, carports with storage and driveway, trash enclosures, patios, concrete privacy dividers, and protective coverings for air conditioners.			
PWC Guam		35,600	35.6
Repairs to one installation commander quarters: Replace plywood roof sheathing, asphalt roof shingles and felt, and fascia. Also included is routine maintenance and repair work to include service calls, preventive maintenance, painting, clean-up, and debris removal and disposal.			
<u>PHILIPPINES</u>			
PWC Subic Bay		37,974	1,291.1
Repairs to 34 units to include: Replace venetian blinds, drapery rods, interior doors, exterior screen doors, floor tile, kitchen cabinets, wall panneling with gypsum board, lavatory cabinet, gutters and downspouts, splash blocks, electrical panel boards, light fixtures, electrical receptacles, disconnect switches, and doorbell system. Concurrent improvements are provided at a cost of \$522,000 which include clothes lines, dishwashers, trash enclosures, lowered ceilings in kitchens, living rooms, and bedrooms. Install meter base panels, electrical receptacles, and additional landscaping.			

1. COMPONENT NAVY		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS IN AND OUTSIDE THE UNITED STATES					
4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER \$15,000 PER UNIT				5. PROJECT NUMBER VARIOUS	
INSTALLATION/LOCATION/PROJECT DESCRIPTION				CURRENT WORKING ESTIMATE	
				UNIT COST	TOTAL
				(\$)	(\$000)
<u>OUTSIDE THE UNITED STATES</u>					
<u>PUERTO RICO</u>					
NAVSTA Roosevelt Roads				33,372	1,067.9
Repairs to 32 units to include: Replace doors, windows, kitchen cabinets, carpeting, bathroom fixture and tile; repair bedroom closets, and water, plumbing, and electrical systems; interior and exterior painting. Concurrent improvements at a cost of \$736,300 which include removal of existing window air conditioners, installation of central air conditioners, ductwork, refrigerant tubing and piping, controls and related appurtenances, construction of a road between existing housing buildings, and one carport for each unit.					
<u>SPAIN</u>					
NAVSTA Rota				24,521	7,846.7
Repairs to 320 units to include: Replace wooded floor and structural floor supports, interior doors, door frames and hardware, bathroom fixtures and tile, electrical wiring and receptacles, light fixtures, water heaters, metal gutters and downspouts; and exterior site regrading.					

1. COMPONENT USMC		FY 19 <sup>91</sup> MILITARY CONSTRUCTION PROJECT DATA		2. DATE	
3. INSTALLATION AND LOCATION NAVAL INSTALLATIONS, VARIOUS LOCATIONS IN AND OUTSIDE THE UNITED STATES					
4. PROJECT TITLE FAMILY HOUSING MAINTENANCE/REPAIR OVER \$15,000 PER UNIT				5. PROJECT NUMBER VARIOUS	
INSTALLATION/LOCATION/PROJECT DESCRIPTION				CURRENT WORKING ESTIMATE	
				UNIT COST	TOTAL
				(\$)	(\$000)
<u>IN THE UNITED STATES</u>					
<u>CALIFORNIA</u>					
MCR Camp Pendleton				41,013	6,972.2
Repair 170 Wire Mountain III area housing units. Repairs will correct landscaping deficiencies; replace fencing, windows, doors, screens; replaster, reinsulate, and refinish bathrooms and laundry rooms; replace plumbing and lighting; rewire and repair walls.					
<u>NORTH CAROLINA</u>					
MCAS Cherry Point				28,619	1,202.0
Repairs to 42 OPQ's. Project provides for repairs to the electrical, mechanical and architectural systems, foundation, exterior vinyl siding, windows, doors, hardwood floors, floor tile, cabinets, plumbing systems, fixtures, ceilings and garages.					
<u>SOUTH CAROLINA</u>					
MCAS Beaufort				32,132	10,700.0
Repairs to 333 family housing units. This project will be the third and final phase of an effort which will repair 1,100 units. The project will make complete interior repairs to the electrical, mechanical and architectural systems. Repairs include the repair/replacement of plumbing systems, fixtures and ancillary items, electrical systems, walls, floors, ceilings, windows, doors and trim, baseboards, kitchen cabinets, floor tiles, countertops and provide for new wall and ceiling insulation.					

Family Housing, Navy and Marine Corps  
LEASING

(In Thousands)  
FY 1991 Program \$66,421.0  
FY 1990 Program \$41,488.0

PURPOSE AND SCOPE

This program provides payment for the costs incurred in leasing family housing units for assignment as public quarters.

PROGRAM SUMMARY

A summary of the funding program for Fiscal Year 1991 follows:

	<u>FY 89</u>		<u>FY 90</u>		<u>FY 91</u>	
	<u>Yr End</u>	<u>Cost</u>	<u>Author-</u>	<u>Cost</u>	<u>Author-</u>	<u>Cost</u>
	<u>Units</u>	<u>(\$000)</u>	<u>ization</u>	<u>(\$000)</u>	<u>ization</u>	<u>(\$000)</u>
	<u>Units</u>	<u>(\$000)</u>	<u>Units</u>	<u>(\$000)</u>	<u>Units</u>	<u>(\$000)</u>
Domestic:						
Navy	1,190	12,981.0	4,000	14,676.0	4,000	37,810.0
Marine Corps	100	1,000.0	200	1,000.0	200	2,000.0
Foreign:	1,834	23,982.0	1,992	25,812.0	1,992	26,611.0
Total:	3,124	37,963.0	6,192	41,488.0	6,192	66,421.0

JUSTIFICATION

Domestic Leasing Program Summary: The domestic leasing program is authorized in 10 USC 2828 as amended, which limits the number of units authorized at any one time and specifies the maximum cost limitation. This program consists of leasing on an interim basis until Section 801 and/or military construction (MILCON) units come on line.

Section 801 of the FY 84 Military Construction Authorization Act (PL 98-115) authorizes the Department of Defense to enter into agreements for the leasing of Military Family Housing units on or near military installations within the United States. This authorization was considered a test and would have expired upon execution of contracts no later than 1 October 1985. The Navy sites chosen for testing Section 801 were Norfolk, Virginia, and Earle, New Jersey. The Section 801 program has been extended through the end of FY 89. The Navy has awarded contracts for Section 801 projects at Norfolk, VA (300 units), Earle, NJ (300 units), Mayport, FL (200 units) and Twentynine Palms, CA (200 units). There are eight additional projects underway for a total of 3,180 units.

Domestic Leasing Fiscal Year Summary:

FY 1989 - The domestic leasing program consists of 1,290 units requiring funding of \$13,981.0. Funding in the amount of \$8,277.5 requested to provide for full funding of the Section 801 leasing projects at Norfolk and partial funding for Mayport, Earle, Staten Island, San Francisco and Twentynine Palms. The remaining \$5,703.5 was to support the domestic leasing programs in New York and San Francisco.

FY 1990 - The domestic lease construct program consists of 1,400 units requiring funding of \$15,676.0. Funding requested will provide full funding for Section 801 projects at Earle, Norfolk, Mayport, Twentynine Palms and partial funding for Staten Island.

FY 1991 - The domestic lease construct program consists of 4,200 units requiring funding of \$39,810.0. Funding requested will provide for full funding for 4,000 units.

Statutory thresholds combined with the scarcity of affordable housing in urban areas inhibit the potential for short term leasing as an answer to Navy family housing requirements. Furthermore, these conditions enhance the need for the long term security provided by Section 801 housing. The economics of the rental markets, in conjunction with the limited supply of housing units, exemplifies the urgency of pursuing more concrete solutions to satisfying our housing needs. Resources presently identified for execution of the domestic leasing program may be redirected to provide for planning, design and execution of the additional Section 801 housing.

Foreign Leasing: Leasing in foreign countries is authorized in 10 USC 2828, which limits the number of units authorized at any one time and specifies the maximum cost limitation.

The FY 1989 unit authorization consists of 1,992 units of which 1,834 will require funding. The authorization difference of 158 units is due to anticipated delay of delivery of 97 units in the Sigonella project which will be completed in FY 1990. The remaining 61 units are 57 leases projected for Rota and La Maddalena and 4 others in various locations.

The FY 1990 unit authorization consists of 1,992 units of which 1,986 will require funding. The authorization difference of 6 units is due to anticipated delay of requirement for lease execution in various locations.

The FY 1991 foreign leasing budget reflects a stabilized requirement and a modest funding increase due to inflation. There are 6 units less than authorized that require funding.



**FAMILY HOUSING, DEPARTMENT OF THE NAVY**  
**ANALYSIS OF LEASED UNITS**  
 (Other than Section 801 and Section 802 Units)  
 FY 19 91

LOCATION	FY (PV) 1989			FY (CV) 1990			FY (BV) 1991		
	UNITS AUTHORIZED	LEASE MONTHS	COST (\$000)	UNITS AUTHORIZED	LEASE MONTHS	COST (\$000)	UNITS AUTHORIZED	LEASE MONTHS	COST (\$000)
<b>DOMESTIC LEASES</b> (If not a self-financing)									
New York	310	3,720	3,059.8						
San Francisco	280	3,360	2,643.7						
<b>TOTAL DOMESTIC LEASES</b>	590	7,080	5,703.5						
<b>FOREIGN LEASES</b> (If not a self-financing)									
(a) Hong Kong, B.C	7	84	212.0	7	84	208.6	7	84	227.1
(a) Manila	51	612	690.0	54	612	721.8	54	612	767.4
(c) Jakarta	9	84	410.6	10	108	393.4	10	108	261.0
(c) Bangkok	7	84	213.2	7	60	172.2	7	60	172.5
(a) Bahrain	1	12	46.6	1	12	49.0	1	12	49.0
(c) New Delhi	1	12	35.0	1	12	45.0	1	12	41.8
(a) Lisbon	1	12	48.0	1	12	49.7	1	12	51.7
(a) Greece	3	36	55.6	3	36	58.7	3	36	62.6
(a)(b) La Maddalena	162	1,944	2,225.0	194	2,136	2,845.2	194	2,328	3,096.8
<b>TOTAL FOREIGN LEASES</b>									(continued)
<b>GRAND TOTAL</b>									

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FAMILY HOUSING, DEPARTMENT OF THE NAVY ANAYSIS OF LEASED UNITS (Other than Section 801 and Section 802 Units) FY 19 91									
LOCATION	FY (FY)			FY (CY)			FY (BY)		
	UNITS AUTHORIZED	LEASE MONTHS	COST (\$000)	UNITS AUTHORIZED	LEASE MONTHS	COST (\$000)	UNITS AUTHORIZED	LEASE MONTHS	COST (\$000)
<b>DOMESTIC LEASES</b> (first each location)									
<b>TOTAL DOMESTIC LEASES</b>									
<b>FOREIGN LEASES</b> (first each location)									
(a)(h) Naples	508	6,096	6,070.8	508	6,096	6,196.9	508	6,096	6,346.1
(a)(h) Sigonella	412	4,944	7,314.2	509	5,235	8,065.1	509	6,108	8,329.4
(a)(h) London	84	1,008	1,092.7	84	1,008	1,133.5	84	1,008	1,223.7
(a)(h) Holy Loch	436	5,232	4,241.8	436	5,232	4,287.5	436	5,232	4,356.5
(h) Thurao	50	600	494.9	50	600	509.3	50	600	520.3
(b) Edzell	102	1,224	831.6	102	1,224	865.1	102	1,224	888.5
(a) Rota	0	0	0	25	300	211.0	25	300	216.6
<b>TOTAL FOREIGN LEASES</b>	1,834	21,984	23,982.0	1,992	22,767	25,812.0	1,992	23,832	25,611.0
<b>GRAND TOTAL</b>	2,424	29,064	29,685.5	1,992	22,767	25,812.0	1,992	23,832	26,611.0

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(a) Individual Lease

(b) Lease Construction

(c) Department of State Leasing Pool

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Exhibit FM-4

FAMILY HOUSING, DEPARTMENT OF THE NAVY									
SECTION 801 FAMILY HOUSING SUMMARY									
(Dollars in thousands)									
FY 19 91									
LOCATION	NO OF UNITS	FY OF INITIAL AUTH	DATE OF AWARD	DATE OF FUAL OCCUP	TOTAL ANNUAL COST	FY (CY) UNITS	FY (CY) COSTS	FY (MY) UNITS	FY (MY) APPROX REQUEST
<u>NAVY</u>									
Earle, N.J.	300	1984	8/86	2/90	3,636.0	300	3,232.0	300	3,636.0
Norfolk, VA	300	1984	2/86	12/87	4,001.4	300	3,992.0	300	4,001.4
Mayport, FL	200	1986	9/86	10/88	1,527.0	200	1,527.0	200	1,527.0
Fallon, NV	180	1986	3/89	3/91	1,354.1	0	0	180	1,219.0
Staten Island, N.Y.	1,000	1987	1/89	1/91	17,000.0	500	2,125.0	1,000	17,000.0
San Francisco, CA	500	1988	8/89	8/91	5,445.0	0	0	500	1,022.2
San Diego, CA	300	1988	5/89	5/91	2,995.6	0	0	300	798.5
Long Beach, CA	300	1988	5/89	5/91	2,289.6	0	0	300	615.4
Port Hueneke/ Point Mugu, CA	300	1988	5/89	5/91	2,757.6	0	0	300	742.6
Washington D.C.	300	1988	10/89	10/91	3,000.0	0	0	300	1,068.1
Cecil Field, FL	300	1988	10/89	10/91	2,350.0	0	0	300	939.7
<u>MARINE CORPS</u>									
29 Palms	200	1986	9/86	10/91	2,000.0	100	1,000.0	200	2,000.0
<b>TOTAL</b>	<b>6,180</b>	<b>N/A</b>	<b>N/A</b>	<b>N/A</b>	<b>68,356.3</b>	<b>1,400</b>	<b>15,676.0</b>	<b>4,180</b>	<b>39,810.0</b>

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FY 1991  
FAMILY HOUSING, NAVY  
DEBT PAYMENT

(In thousands)	
FY 1991 Program	\$198
FY 1990 Program	\$208

Purpose and Scope

The requirement for the payment of principal and interest on the remaining indebtedness for Capehart and acquired Wherry housing has been completed. All mortgages have been paid off as of 30 September 1988 for the Wherry housing and as of 30 September 1989 for the Capehart housing. The only remaining requirement for this program is the payment of Servicemen's Mortgage Insurance Premiums to FHA for mortgages assumed by active military personnel on housing purchased by them.

Program Summary

Authorization required for the appropriation is \$198,000. No reimbursements will be used to finance the FY 1991 program pursuant to Section 511, Public Law 96-418.

A summary of the status of the indebtedness assumed by the Department of the Navy to acquire quarters for the military housing is as follows:

	(In Thousands)		
	1989 <u>Actual</u>	1990 <u>Estimates</u>	1991 <u>Estimate</u>
Debt Incurred:			
Capehart	346,901	346,901	346,901
Wherry	<u>158,158</u>	<u>158,158</u>	<u>158,158</u>
TOTAL	505,059	505,059	505,059
Less previously retired:			
Capehart	346,773	346,901	346,901
Wherry	<u>158,158</u>	<u>158,158</u>	<u>158,158</u>
TOTAL	504,931	505,059	505,059
Debt Retired During Year:			
Capehart	128	-0-	-0-
Wherry	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
TOTAL	128	-0-	-0-
Unliquidated Debt, End of Year:			
Capehart	-0-	-0-	-0-
Wherry	<u>-0-</u>	<u>-0-</u>	<u>-0-</u>
TOTAL	-0-	-0-	-0-

FY 1991  
FAMILY HOUSING, NAVY  
DEBT PAYMENT  
(\$000)

<u>TOA</u>	<u>FY 1990</u>	<u>FY 1991</u>
Interest		
Capehart and Wherry	-0-	-0-
Mortgage Insurance Premiums		
Servicemember's		
Navy	197	189
Marine Corps	11	9
Total Obligating Authority	208	198
<u>Budget Authority:</u>	208	198
Appropriation	208	198
Portion Applied to Debt Reduction	<u>-0-</u>	<u>-0-</u>
Appropriation (adjusted)	208	198

FAMILY HOUSING, NAVY  
FY 1991 BUDGET  
SERVICEMEN'S MORTGAGE INSURANCE PREMIUMS

This program provides for the payment of premiums due on mortgage insurance provided by the Federal Housing Administration for housing mortgages purchased by active duty military personnel. Also, it continues payments for cases where a serviceman dies while on active duty and leaves a surviving widow as owner of the property. Payments extend for a period of two years after death or until the widow disposes of the property, whichever occurs first. The maximum amount insurable by FHA is \$67,500. The premium rate is 1/2 of 1% of the unpaid balance of the mortgage. The Department of Housing and Urban Development stopped processing applications for servicemen's mortgage insurance premiums as of 31 March 1980 with the discontinuance of Section 222 of the Housing Act.

	<u>NAVY</u>	<u>FY1990 MARINE CORPS</u>	<u>TOTAL</u>	<u>NAVY</u>	<u>FY1991 MARINE CORPS</u>	<u>TOTAL</u>
No. of Mortgages	1,065	79	1,144	1,021	64	1,085
Average Payment	\$140	\$140	\$180	\$140	\$140	\$180
Total Payment	\$197,000	\$11,000	\$208,000	\$189,000	\$ 9,000	\$198,000